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Endothelial dysfunction in cardiovascular diseases: the role of oxidant stress

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2341	4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, a nicotine derivative, induces apoptosis of endothelial cells. <b>2001</b> , 281, H1946-54		31
2340	Vessel wall-derived substances affecting platelets. <b>2001</b> , 92-105		
2339	Mechanism of inhibition of matrix metalloproteinase-9 induction by NO in vascular smooth muscle cells. <b>2001</b> , 91, 1380-6		64
2338	Role of reactive oxygen species in IL-1 beta-stimulated sustained ERK activation and MMP-9 induction. <b>2001</b> , 281, H2568-74		66
2337	Endothelial NOS-dependent activation of c-Jun NH(2)- terminal kinase by oxidized low-density lipoprotein. <b>2001</b> , 281, H2705-13		31
2336	Coronary vascular endothelial function and myocardial ischemia: why should we worry about endothelial dysfunction?. <b>2001</b> , 12, 475-84		11
2335	Nitric oxide: does it play a role in the heart of the critically ill?. <b>2001</b> , 7, 323-36		22
2334	Prognostic implications of endothelial dysfunction: does it mean anything?. 2001, 12, 435-43		32
2333	Redox cycling of diaspirin cross-linked hemoglobin induces G2/M arrest and apoptosis in cultured endothelial cells. <b>2001</b> , 98, 3315-23		7 <sup>2</sup>

2332	Atherosclerosis: a cancer of the blood vessels?. <b>2001</b> , 116 Suppl, S97-107		31
2331	Current World Literature. <b>2001</b> , 12, 561-575		
2330	Involvement of Oxidation-Sensitive Mechanisms in the Cardiovascular Effects of Hypercholesterolemia. <b>2001</b> , 76, 619-631		64
2329	Analysis of agonist-evoked nitric oxide release from human endothelial cells: role of superoxide anion. <b>2001</b> , 28, 1015-9		6
2328	Diabetic endothelial dysfunction: role of reactive oxygen and nitrogen species production and poly(ADP-ribose) polymerase activation. <b>2001</b> , 79, 437-48		116
2327	A protective player in the vascular response to injury. <b>2001</b> , 7, 656-7		20
2326	Nitric oxide- and nitric oxide donors-induced relaxation and its modulation by oxidative stress in piglet pulmonary arteries. <b>2001</b> , 133, 615-24		21
2325	Why vascular biology matters. <b>2001</b> , 88, 5K-9K		72
2324	A real-time electrochemical technique for measurement of cellular hydrogen peroxide generation and consumption: evaluation in human polymorphonuclear leukocytes. <b>2001</b> , 31, 894-901		94
2323	Upregulation of the vascular NAD(P)H-oxidase isoforms Nox1 and Nox4 by the renin-angiotensin system in vitro and in vivo. <b>2001</b> , 31, 1456-64		227
2322	Nutritional aspects of nitric oxide: human health implications and therapeutic opportunities. <b>2001</b> , 17, 896-903		13
2321	Markers for progression of coronary disease. <b>2001</b> , 21, 190S-194S		1
2320	Induction of endothelial NO synthase by hydrogen peroxide via a Ca(2+)/calmodulin-dependent protein kinase II/janus kinase 2-dependent pathway. <b>2001</b> , 21, 1571-6		130
2319	Vascular dysfunction in hyperhomocyst(e)inemia. Implications for atherothrombotic disease. <b>2001</b> , 39, 725-33		31
2318	Pleiotropic effects of 3-hydroxy-3-methylglutaryl coenzyme a reductase inhibitors. <b>2001</b> , 21, 1712-9		1066
2317	Doxorubicin-induced apoptosis is associated with increased transcription of endothelial nitric-oxide synthase. Effect of antiapoptotic antioxidants and calcium. <b>2001</b> , 276, 47266-76		158
2316	Ceramide reduces endothelium-dependent vasodilation by increasing superoxide production in small bovine coronary arteries. <i>Circulation Research</i> , <b>2001</b> , 88, 824-31	15.7	70
2315	Effects of vitamin E on the endothelium: equivocal? Alpha-tocopherol and endothelial dysfunction. <b>2001</b> , 51, 198-201		16

2314	Pharmacological approaches to preserving and restoring coronary endothelial function. <b>2001</b> , 2, 1765-75	1
2313	Polymorphism in the 5'-flanking region of human glutamate-cysteine ligase modifier subunit gene is associated with myocardial infarction. <b>2002</b> , 105, 2968-73	142
2312	Mechanisms of increased vascular superoxide production in human diabetes mellitus: role of NAD(P)H oxidase and endothelial nitric oxide synthase. <b>2002</b> , 105, 1656-62	824
2311	Resveratrol, a polyphenolic phytoalexin present in red wine, enhances expression and activity of endothelial nitric oxide synthase. <b>2002</b> , 106, 1652-8	544
2310	Dual effect of ceramide on human endothelial cells: induction of oxidative stress and transcriptional upregulation of endothelial nitric oxide synthase. <b>2002</b> , 106, 2250-6	119
2309	Reaping of nitric oxide by sickle cell disease. <b>2002</b> , 99, 552-3	7
2308	Vascular NADH oxidase is involved in impaired endothelium-dependent vasodilation in OLETF rats, a model of type 2 diabetes. <b>2002</b> , 51, 522-7	137
2307	Inhibition of the PDGF beta-receptor tyrosine phosphorylation and its downstream intracellular signal transduction pathway in rat and human vascular smooth muscle cells by different catechins. <b>2002</b> , 16, 893-5	62
2306	Visualizing tubular lipid peroxidation in intact renal tissue in hypertensive rats. <b>2002</b> , 13, 2990-6	20
2305	Hypertension, angiotensin II, and oxidative stress. <b>2002</b> , 346, 1999-2001	180
2304	Cellular antioxidant effects of atorvastatin in vitro and in vivo. <b>2002</b> , 22, 300-5	503
2303	Effect of a high salt diet on microvascular antioxidant enzymes. <b>2002</b> , 39, 41-50	52
2302	Impaired responsiveness to NO in newly diagnosed patients with rheumatoid arthritis. 2002, 22, 1637-41	177
2301	NAD(P)H oxidase-derived hydrogen peroxide mediates endothelial nitric oxide production in response to angiotensin II. <b>2002</b> , 277, 48311-7	149
2300	Activation of c-Jun N-terminal kinase and apoptosis in endothelial cells mediated by endogenous generation of hydrogen peroxide. <b>2002</b> , 383, 693-701	30
2299	Superoxide in the vascular system. <b>2002</b> , 39, 191-207	106
2298	Angiotensin II type 1 receptor antagonism improves hypercholesterolemia-associated endothelial dysfunction. <b>2002</b> , 22, 1208-12	131
2297	Fluid shear stress attenuates hydrogen peroxide-induced c-Jun NH2-terminal kinase activation via a glutathione reductase-mediated mechanism. <i>Circulation Research</i> , <b>2002</b> , 91, 712-8	65

2296	Review: Type 2 diabetes [Implications for macrovascular mechanics and disease. <b>2002</b> , 2, 9-12	6
2295	Activation of poly(ADP-ribose) polymerase contributes to the endothelial dysfunction associated with hypertension and aging. <b>2002</b> , 9, 659	11
2294	Atherogenesisrecent insights into basic mechanisms and their clinical impact. <b>2002</b> , 17, 2055-64	30
2293	Chronic antioxidant supplementation attenuates nuclear factor-kappa B activation and preserves endothelial function in hypercholesterolemic pigs. <b>2002</b> , 53, 1010-8	60
2292	Deficiency of glutathione peroxidase-1 sensitizes hyperhomocysteinemic mice to endothelial dysfunction. <b>2002</b> , 22, 1996-2002	86
2291	Inhibition of renin-angiotensin system ameliorates endothelial dysfunction associated with aging in rats. <b>2002</b> , 22, 1445-50	82
2290	Dose-dependent regulation of NAD(P)H oxidase expression by angiotensin II in human endothelial cells: protective effect of angiotensin II type 1 receptor blockade in patients with coronary artery disease. <b>2002</b> , 22, 1845-51	191
2289	Nifedipine indirectly upregulates superoxide dismutase expression in endothelial cells via vascular smooth muscle cell-dependent pathways. <b>2002</b> , 106, 356-61	55
2288	Increased renal medullary oxidative stress produces hypertension. <b>2002</b> , 39, 667-72	141
2287	Oxygen species in the microvascular environment: regulation of vascular tone and the development of hypertension. <b>2002</b> , 17, 216-21	45
2286	Spironolactone improves angiotensin-induced vascular changes and oxidative stress. <b>2002</b> , 40, 504-10	347
2285	Insulin causes endothelial dysfunction in humans: sites and mechanisms. <b>2002</b> , 105, 576-82	319
2284	Endothelial function and oxidative stress in renovascular hypertension. <b>2002</b> , 346, 1954-62	409
2283	Modulation of the tumor vasculature functionality by ionizing radiation accounts for tumor radiosensitization and promotes gene delivery. <b>2002</b> , 16, 1979-81	76
2282	The pathophysiology of erectile dysfunction related to endothelial dysfunction and mediators of vascular function. <b>2002</b> , 7, 213-25	160
2281	Increased superoxide and vascular dysfunction in CuZnSOD-deficient mice. <i>Circulation Research</i> , <b>2002</b> , 91, 938-44	204
2280	Raloxifene improves endothelial dysfunction in hypertension by reduced oxidative stress and enhanced nitric oxide production. <b>2002</b> , 105, 2083-91	112
2279	Nitric oxide modulates superoxide release and peroxynitrite formation in human blood vessels. <b>2002</b> , 39, 1088-94	196

2278	Nitric oxide induces dilation of rat aorta via inhibition of rho-kinase signaling. <b>2002</b> , 39, 438-42	129
2277	Hypertension plus diabetes mimics the cardiomyopathy induced by nitric oxide inhibition in rats. <b>2002</b> , 122, 1412-20	22
2276	Effects of NADH and NADPH on superoxide levels and cerebral vascular tone. 2002, 282, H688-95	84
2275	Salt consumption, reactive oxygen species and cardiovascular ageing: a hypothetical link. <b>2002</b> , 20, 555-9	21
2274	Regulation of endothelial cell apoptosis in atherothrombosis. <b>2002</b> , 13, 531-6	66
2273	The renal risks of smoking: an update. <b>2002</b> , 11, 483-8	51
2272	Nitric oxide synthase and hypertension. <b>2002</b> , 11, 185-9	31
2271	Hormone replacement therapy and hypertension. <b>2002</b> , 11, 229-35	
2270	Elevated levels of oxidative DNA damage in patients with coronary artery disease. 2002, 13, 269-74	88
2269	Smoking, blood pressure and cardiovascular risk. <b>2002</b> , 20, 1699-701	4
2268	Impaired vasorelaxation in hypertension: beyond the endothelium. <b>2002</b> , 20, 371-3	4
2267	Combination of low-dose valsartan and enalapril improves endothelial dysfunction and coronary reserve in Nomega-nitro-L-arginine methyl ester-treated spontaneously hypertensive rats. <b>2002</b> , 40, 789-800	15
2266	NAD(P)H oxidase-dependent platelet superoxide anion release increases platelet recruitment. <b>2002</b> , 100, 917-24	202
2265	Vascular ageing. <b>2002</b> , 102, 601-602	5
2264	Cardiology Grand Rounds from the University of North Carolina at Chapel Hill. The antioxidant vitamins and coronary heart disease: Part 1. Basic science background and clinical observational studies. <b>2002</b> , 324, 314-20	5
2263	Blunted acetylcholine relaxation and nitric oxide release in arteries from renal hypertensive rats. <b>2002</b> , 20, 1571-9	35
2262	Current World Literature. 2002, 11, 237-266	
2261	Role of heat shock proteins in atherosclerosis. <b>2002</b> , 22, 1547-59	259

# (2002-2002)

	Clinical impact of renin-angiotensin system blockade: angiotensin-converting enzyme inhibitors vs. angiotensin receptor antagonists. <b>2002</b> , 4, 11-9, 31		5
2259 T	he therapeutic potential of poly(ADP-ribose) polymerase inhibitors. <b>2002</b> , 54, 375-429		1090
2258 F	Prognostic value of coronary vascular endothelial dysfunction. <b>2002</b> , 106, 653-8		1144
2257 T	The role of hydrogen peroxide in endothelial proliferative responses. <b>2002</b> , 9, 231-8		166
2256 S	Superoxide, superoxide dismutases, and cardiovascular dysfunction. <b>2002</b> , 233-281		
	Juice and phenolic fractions of the berry Aristotelia chilensis inhibit LDL oxidation in vitro and protect human endothelial cells against oxidative stress. <b>2002</b> , 50, 7542-7		103
	Effect of vitamins C and E on progression of transplant-associated arteriosclerosis: a randomised rial. <b>2002</b> , 359, 1108-13		265
	Cigarette smoking, high-density lipoprotein cholesterol subfractions, and lecithin: cholesterol acyltransferase in young women. <b>2002</b> , 51, 1313-6		27
2252 T	The effect of Enalapril on PGI(2) and NO levels in hypertensive patients. <b>2002</b> , 66, 493-8		7
	Regulation of endothelial-type NO synthase expression in pathophysiology and in response to drugs. <b>2002</b> , 7, 149-64		179
2250 E	Endothelial dysfunction in cold-induced hypertensive rats. <b>2002</b> , 15, 176-80		29
	ife after LIFE. Cardiovascular benefits of angiotensin II receptor blockade in older people with essential hypertension, left ventricular hypertrophy and diabetes mellitus. <b>2002</b> , 13, 353		2
2248 E	Endothelium-dependent hyperpolarization as a remote anti-atherogenic mechanism. <b>2002</b> , 23, 213-20		19
2247 <b>A</b>	Anti-oxidative, anti-inflammatory and hepato-protective effects of Ligustrum robustum. 2002, 83, 63-71		63
	Dexamethasone-mediated regulation of death and differentiation of muscle cells. Is hydrogen peroxide involved in the process?. <b>2002</b> , 42, 197-216		27
	Role of ceramide in TNF-alpha-induced impairment of endothelium-dependent vasorelaxation in coronary arteries. <b>2002</b> , 283, H1785-94		61
	Matrix Metalloproteinases in Vascular Remodeling and Atherogenesis. <i>Circulation Research</i> , <b>2002</b> , 251-262	5.7	1537
	Grape seed and grape skin extracts elicit a greater antiplatelet effect when used in combination han when used individually in dogs and humans. <b>2002</b> , 132, 3592-8		66

2242	The effects of losartan and enalapril therapies on the levels of nitric oxide, malondialdehyde, and glutathione in patients with essential hypertension. <b>2002</b> , 52, 435-40	20
2241	Gene transfer of endothelial NO synthase and manganese superoxide dismutase on arterial vascular cell adhesion molecule-1 expression and superoxide production in deoxycorticosterone acetate-salt hypertension. <b>2002</b> , 22, 249-55	45
2240	Enzyme replacement reverses abnormal cerebrovascular responses in Fabry disease. <b>2002</b> , 2, 4	8o
2239	Atherothrombosis: plaque instability and thrombogenesis. <b>2002</b> , 44, 381-94	36
2238	Endothelial function. From vascular biology to clinical applications. <b>2002</b> , 90, 40L-48L	360
2237	[Cellular mechanism of vasculo-protection induced by polyphenols on the endothelium]. 2002, 51, 304-15	10
2236	Endovascular irradiation impairs vascular functional responses in noninjured pig coronary arteries. <b>2002</b> , 3, 152-62	10
2235	Vasoactive substances: nitric oxide and endothelial dysfunction in atherosclerosis. <b>2002</b> , 38, 259-69	81
2234	Just the beginning: novel functions for angiotensin-converting enzymes. <b>2002</b> , 12, R745-52	106
2233	Atherosclerosis in type 2 diabetes mellitus and insulin resistance: mechanistic links and therapeutic targets. <b>2002</b> , 16, 401-15	58
2232	Interaction between reactive oxygen metabolites and nitric oxide in oxidant tolerance. 2002, 33, 433-40	30
2231	The effect of insufficiency of tetrahydrobiopterin on endothelial function and vasoactivity. <b>2002</b> , 50, 472-7	11
2230	Oxidative stress promotes blood cell-endothelial cell interactions in the microcirculation. <b>2002</b> , 2, 165-80	97
2229	Cardiorespiratory fitness and physical activity as risk predictors of future atherosclerotic cardiovascular diseases. <b>2002</b> , 4, 468-76	45
2228	Endothelial dysfunction in human diabetes. <b>2002</b> , 2, 26-36	34
2227	Hypertension and lipids: lipid factors in the hypertension syndrome. <b>2002</b> , 4, 458-63	28
2226	Role of hydrogen peroxide and oxidative stress in healing responses. <b>2002</b> , 59, 1872-91	161
2225	Hydroxyl radical as a strong electrophilic species. <b>2002</b> , 10, 2283-90	36

# (2003-2002)

2224	superoxide. <b>2002</b> , 61, 586-90	86
2223	Activation of the peroxisome proliferator-activated receptor alpha protects against myocardial ischaemic injury and improves endothelial vasodilatation. <b>2002</b> , 2, 10	61
2222	Exposure of rats to hyperoxia enhances relaxation of isolated aortic rings and reduces infarct size of isolated hearts. <b>2002</b> , 175, 271-7	14
2221	Obesity, atherosclerosis and the vascular endothelium: mechanisms of reduced nitric oxide bioavailability in obese humans. <b>2002</b> , 26, 754-64	175
2220	Microvascular structure and function in salt-sensitive hypertension. <b>2002</b> , 9, 225-41	35
2219	The inflammatory aspect of the microcirculation in hypertension: oxidative stress, leukocytes/endothelial interaction, apoptosis. <b>2002</b> , 9, 259-76	110
2218	Angiotensin-converting enzyme 2 is an essential regulator of heart function. <b>2002</b> , 417, 822-8	1345
2217	Obesity, aerobic exercise, and vascular disease: the role of oxidant stress. <b>2002</b> , 10, 964-8	49
2216	Enhancement of nitric oxide production by methylecgonidine in cultured neonatal rat cardiomyocytes. <b>2002</b> , 135, 188-96	4
2215	A flavonoid-rich diet increases nitric oxide production in rat aorta. <b>2002</b> , 135, 910-6	108
2214	Divergent effects of vitamin C on relaxations of rabbit aortic rings to acetylcholine and NO-donors. <b>2002</b> , 135, 1044-50	10
2213	Structure and function of xanthine oxidoreductase: where are we now?. <b>2002</b> , 33, 774-97	581
2212	Angiotensin II and nitric oxide interaction. <b>2002</b> , 7, 347-58	58
2211	Nitric oxide and cardioprotection during ischemia-reperfusion. <b>2002</b> , 7, 391-405	106
<b>221</b> 0	Cocoa flavanols and cardiovascular health. <b>2002</b> , 1, 231-240	18
2209	Cerebrovascular effects of amyloid-beta peptides: mechanisms and implications for Alzheimer's dementia. <b>2003</b> , 23, 681-9	79
2208	Nitric oxide and cardiovascular protection. <b>2003</b> , 8, 29-34	13
2207	Detection of Reactive Oxygen Species by Flow Cytometry. <b>2003</b> , 175-184	5

2206	Endothelial dysfunction and the metabolic syndrome. <b>2003</b> , 3, 87-92	60
2205	The role of angiotensin II in regulating vascular structural and functional changes in hypertension. <b>2003</b> , 5, 155-64	109
2204	Amino acid and protein oxidation in cardiovascular disease. <b>2003</b> , 25, 365-74	50
2203	The role of ACE2 in cardiovascular physiology. <b>2003</b> , 13, 93-101	182
2202	The expanding scope of the metabolic syndrome and implications for the management of cardiovascular risk in type 2 diabetes with particular focus on the emerging role of the thiazolidinediones. <b>2003</b> , 17, 218-28	18
2201	Nonglycemic effects of insulin. <b>2003</b> , Suppl 4, S6-12	12
2200	Oxidative stress in diabetes-induced endothelial dysfunction involvement of nitric oxide and protein kinase C. <b>2003</b> , 35, 683-94	69
2199	Proliferation and wound healing of vascular cells trigger the generation of extracellular reactive oxygen species and LDL oxidation. <b>2003</b> , 35, 1589-98	23
2198	Effects of angiotensin II on vascular endothelial cells: formation of receptor-mediated reactive nitrogen species. <b>2003</b> , 65, 1189-97	34
2197	In vitro effects of mangiferin on superoxide concentrations and expression of the inducible nitric oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. <b>2003</b> , 65, 1361-71	123
2197 2196		123
2196	oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. <b>2003</b> , 65, 1361-71  Role of aldose reductase in TNF-alpha-induced apoptosis of vascular endothelial cells. <b>2003</b> ,	
2196	oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. <b>2003</b> , 65, 1361-71  Role of aldose reductase in TNF-alpha-induced apoptosis of vascular endothelial cells. <b>2003</b> , 143-144, 605-12	15
2196 2195	oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. 2003, 65, 1361-71  Role of aldose reductase in TNF-alpha-induced apoptosis of vascular endothelial cells. 2003, 143-144, 605-12  Role of oxidative stress in atherosclerosis. 2003, 91, 7A-11A  Usefulness of peripheral artery tonometry for determining peripheral vascular responses during	15 931
2196 2195 2194	oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. 2003, 65, 1361-71  Role of aldose reductase in TNF-alpha-induced apoptosis of vascular endothelial cells. 2003, 143-144, 605-12  Role of oxidative stress in atherosclerosis. 2003, 91, 7A-11A  Usefulness of peripheral artery tonometry for determining peripheral vascular responses during exercise. 2003, 91, 506-10	15 931 3
2196 2195 2194 2193 2192	oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. 2003, 65, 1361-71  Role of aldose reductase in TNF-alpha-induced apoptosis of vascular endothelial cells. 2003, 143-144, 605-12  Role of oxidative stress in atherosclerosis. 2003, 91, 7A-11A  Usefulness of peripheral artery tonometry for determining peripheral vascular responses during exercise. 2003, 91, 506-10  Prognostic value of endothelial function. 2003, 91, 19H-24H  Protein kinase C beta inhibition and aorta and corpus cavernosum function in	15 931 3
2196 2195 2194 2193 2192	oxide synthase, tumour necrosis factor-alpha and transforming growth factor-beta genes. 2003, 65, 1361-71  Role of aldose reductase in TNF-alpha-induced apoptosis of vascular endothelial cells. 2003, 143-144, 605-12  Role of oxidative stress in atherosclerosis. 2003, 91, 7A-11A  Usefulness of peripheral artery tonometry for determining peripheral vascular responses during exercise. 2003, 91, 506-10  Prognostic value of endothelial function. 2003, 91, 19H-24H  Protein kinase C beta inhibition and aorta and corpus cavernosum function in streptozotocin-diabetic mice. 2003, 475, 99-106	15 931 3 127 31

2188	Endothelial cell dysfunction in type I and II diabetes: The cellular basis for dysfunction. 2003, 58, 28-41	11
2187	Pilot study examining the effect of cholesterol lowering on platelet nitric oxide responsiveness and arterial stiffness in subjects with isolated mild hypercholesterolaemia. <b>2003</b> , 30, 507-12	17
2186	Cerebral vascular effects of reactive oxygen species: recent evidence for a role of NADPH-oxidase. <b>2003</b> , 30, 855-9	45
2185	Novel isoforms of NADPH oxidase in vascular physiology and pathophysiology. <b>2003</b> , 30, 849-54	104
2184	Insulin resistancethe new goal!. <b>2003</b> , 28, 167-74	13
2183	Nitric oxide: therapeutic opportunities. <b>2003</b> , 17, 1-10	70
2182	Nitric oxide, oxidative stress, and apoptosis. <b>2003</b> , S22-4	53
2181	Protective effects of vitamin C on endothelium damage and platelet activation during myocardial infarction in patients with sustained generation of circulating microparticles. <b>2003</b> , 1, 171-7	73
2180	Pathophysiological implications of insulin resistance on vascular endothelial function. <b>2003</b> , 20, 255-68	198
2179	Endothelial dysfunction in obesity and insulin resistance: a road to diabetes and heart disease. <b>2003</b> , 11, 1278-89	273
2178	Rabbit aortic endothelial dysfunction by low-density lipoprotein is attenuated by L-arginine, L-ascorbate and pyridoxine. <b>2003</b> , 140, 1272-82	11
2177	Evaluation of the antioxidant response in the plasma of healthy or hypertensive subjects after short-term exercise. <b>2003</b> , 17, 791-8	14
2176	Delayed cerebrovascular protective effect of lipopolysaccharide in parallel to brain ischemic tolerance. <b>2003</b> , 23, 399-405	49
2175	Direct vascular effects of HR780, a novel 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor. <b>2003</b> , 30, 958-62	6
2174	Endothelial control of vasomotion and nitric oxide production. <b>2003</b> , 21, 289-302	50
2173	Nitric oxide and oxidative stress in atherosclerotic renovascular hypertension: effect of endovascular treatment. <b>2003</b> , 14, 887-92	16
2172	The role of tetrahydrobiopterin in superoxide generation from eNOS: enzymology and physiological implications. <b>2003</b> , 37, 121-7	172
2171	Antioxidant vitamins increase the collagen content and reduce MMP-1 in a porcine model of atherosclerosis: implications for plaque stabilization. <b>2003</b> , 167, 45-53	48

2170	Endothelial function under pressure. <b>2003</b> , 41, 1759-60	2
2169	Enhanced external counterpulsation for ischemic heart disease: what's behind the curtain?. <b>2003</b> , 41, 1918-25	104
2168	Nitric oxide and vascular reactivity in African American patients with hypertension. <b>2003</b> , 9, S199-204; discussion S205-9	21
2167	Insulin resistance and endothelial dysfunction. <b>2003</b> , 17, 411-30	49
2166	Oxidative stress in hypertensive, diabetic, and diabetic hypertensive rats. <b>2003</b> , 16, 1049-52	33
2165	Free fatty acids and type 2 diabetes mellitus. <b>2003</b> , 115 Suppl 8A, 29S-36S	73
2164	Detection of endothelial dysfunction with brachial artery ultrasound scanning. 2003, 145, 943-51	162
2163	Endothelial dysfunction: a marker of atherosclerotic risk. <b>2003</b> , 23, 168-75	1635
2162	Reactive oxygen species in the vasculature: molecular and cellular mechanisms. 2003, 42, 1075-81	781
2161	New insights on oxidative stress and diabetic complications may lead to a "causal" antioxidant therapy. <b>2003</b> , 26, 1589-96	566
2160	Hyperhomocysteinemia, endothelial dysfunction, and cardiovascular risk: the potential role of ADMA. <b>2003</b> , 4, 61-5	83
2159	Endothelial dysfunction in erectile dysfunction: role of the endothelium in erectile physiology and disease. <b>2003</b> , 24, S17-37	190
2158	The vascular NAD(P)H oxidases as therapeutic targets in cardiovascular diseases. 2003, 24, 471-8	583
2157	Sulfhydryl modulation of K+ currents: a possible cross-link between oxidative stress and altered cardiovascular function. <b>2003</b> , 35, 1-4	3
2156	Measurement of acetylcholine-induced endothelium-derived nitric oxide in aorta using a newly developed catheter-type nitric oxide sensor. <b>2003</b> , 306, 505-8	28
2155	Effect of the NAD(P)H oxidase inhibitor, apocynin, on peripheral nerve perfusion and function in diabetic rats. <b>2003</b> , 73, 1813-24	93
2154	Enhanced vascular production of superoxide in OLETF rat after the onset of hyperglycemia. <b>2003</b> , 60, 11-8	13
2153	Hydrogen peroxide increases the activity of rat sympathetic preganglionic neurons in vivo and in vitro. <b>2003</b> , 121, 641-7	31

2152	Antiatherogenic properties of metformin: the experimental evidence. <b>2003</b> , 29, 6S71-6	49
2151	Coronary atherosclerosis and somatic mutations: an overview of the contributive factors for oxidative DNA damage. <b>2003</b> , 543, 67-86	112
2150	Physiology and pathophysiology of vascular signaling controlled by guanosine 3',5'-cyclic monophosphate-dependent protein kinase [corrected]. <b>2003</b> , 108, 2172-83	267
2149	Testing endothelial vasomotor function: nitric oxide, a multipotent molecule. <b>2003</b> , 108, 2049-53	197
2148	Interactions of homocysteine, nitric oxide, folate and radicals in the progressively damaged endothelium. <b>2003</b> , 41, 1444-54	53
2147	Hypertension exacerbates the effect of hypercholesterolemia on the myocardial microvasculature. <b>2003</b> , 58, 213-21	30
2146	Grape and grape seed extract capacities at protecting LDL against oxidation generated by Cu2+, AAPH or SIN-1 and at decreasing superoxide THP-1 cell production. A comparison to other extracts or compounds. <b>2003</b> , 37, 573-84	63
2145	Oxidative stress and endothelial nitric oxide bioactivity. <b>2003</b> , 5, 181-94	72
2144	Coronary artery disease in end-stage renal disease: no longer a simple plumbing problem. <b>2003</b> , 14, 1927-39	182
2143	Vasopressin induces vascular superoxide via endothelin-1 in mineralocorticoid hypertension. <b>2003</b> , 41, 663-8	30
2142	Endothelin antagonism on aldosterone-induced oxidative stress and vascular remodeling. 2003, 42, 49-55	205
2141	Effects of exercise training on conduit and resistance vessel function in treated and untreated hypercholesterolaemic subjects. <b>2003</b> , 24, 1681-9	55
2140	Angiotensin II and oxidative stress: an unholy alliance. <b>2003</b> , 14, 2985-7	19
2139	Antioxidative, antinitrative, and vasculoprotective effects of a peroxisome proliferator-activated receptor-gamma agonist in hypercholesterolemia. <b>2003</b> , 108, 2805-11	154
2138	Mechanisms underlying the programming of small artery dysfunction: review of the model using low protein diet in pregnancy in the rat. <b>2003</b> , 111, 23-35	61
2137	Antioxidant activities and oxidative stress byproducts in human hypertension. 2003, 41, 1096-101	312
2136	Effects of ACE inhibition and AT1-receptor antagonism on endothelial function and insulin sensitivity in essential hypertensive patients. <b>2003</b> , 4, 197-203	60
2135	Effect of alpha-fetoprotein and derived peptides on insulin- and estrogen-induced fetotoxicity. <b>2003</b> , 18, 360-9	14

2134	High pressure induces superoxide production in isolated arteries via protein kinase C-dependent activation of NAD(P)H oxidase. <b>2003</b> , 108, 1253-8	178
2133	Mislocalization of eNOS and upregulation of cerebral vascular Ca2+ channel activity in angiotensin-hypertension. <b>2003</b> , 41, 1124-30	36
2132	Biochemical pathways for microvascular complications of diabetes mellitus. 2003, 37, 1858-66	55
2131	Nitric oxide inhibits H2O2-induced transferrin receptor-dependent apoptosis in endothelial cells: Role of ubiquitin-proteasome pathway. <b>2003</b> , 100, 10653-8	87
2130	Vitamin C in chronic kidney disease and hemodialysis patients. <b>2003</b> , 26, 100-6	44
2129	Sustained decrease in superoxide dismutase activity underlies constrictive remodeling after balloon injury in rabbits. <b>2003</b> , 23, 2197-202	57
2128	Biological effects of off-pump vs. on-pump coronary artery surgery: focus on inflammation, hemostasis and oxidative stress. <b>2003</b> , 24, 260-9	128
2127	Selective COX-2 inhibition improves endothelial function in coronary artery disease. <b>2003</b> , 107, 405-9	307
2126	Application of gas chromatography-mass spectrometry for analysis of isoprostanes: their role in cardiovascular disease. <b>2003</b> , 41, 1552-61	45
2125	Inhibition of the cardiac angiogenic response to surgical FGF-2 therapy in a Swine endothelial dysfunction model. <b>2003</b> , 108 Suppl 1, II335-40	30
2124	Cardiac Drug Development Guide. 2003,	1
2123	Statins promote potent systemic antioxidant effects through specific inflammatory pathways. <b>2003</b> , 108, 426-31	342
2122	Effects of rosuvastatin on nitric oxide-dependent function in aorta and corpus cavernosum of diabetic mice: relationship to cholesterol biosynthesis pathway inhibition and lipid lowering. <b>2003</b> , 52, 2396-402	65
2121	Protection against lipopolysaccharide-induced endothelial dysfunction in resistance and conduit vasculature of iNOS knockout mice. <b>2003</b> , 17, 773-5	112
2120	Role of NADPH oxidases in the control of vascular gene expression. <b>2003</b> , 5, 803-11	52
2119	Protective effect of chronic vitamin C treatment on endothelial function of apolipoprotein E-deficient mouse carotid artery. <b>2003</b> , 306, 103-8	31
2118	Reactive oxygen species are involved in smoking-induced dysfunction of nitric oxide biosynthesis and upregulation of endothelial nitric oxide synthase: an in vitro demonstration in human coronary artery endothelial cells. <b>2003</b> , 107, 2342-7	187
2117	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. <b>2003</b> , 63, 325-31	159

# (2003-2003)

2116	caused by oxidant processes: the role of angiotensin II type 1 receptor and NAD(P)H oxidase. <b>2003</b> , 108, 2934-40	39
2115	Methods in Biological Oxidative Stress. 2003,	8
2114	Circulating progenitor cells regenerate endothelium of vein graft atherosclerosis, which is diminished in ApoE-deficient mice. <i>Circulation Research</i> , <b>2003</b> , 93, e76-86	154
2113	Extracellular superoxide dismutase is a major determinant of nitric oxide bioavailability: in vivo and ex vivo evidence from ecSOD-deficient mice. <i>Circulation Research</i> , <b>2003</b> , 93, 622-9	203
2112	Plaque-associated endothelial dysfunction in apolipoprotein E-deficient mice on a regular diet. Effect of human apolipoprotein Al. <b>2003</b> , 59, 189-99	62
2111	Mechanisms of oxidative stress and vascular dysfunction. <b>2003</b> , 79, 195-199; quiz 198-200	119
<b>2</b> 110	Effects of chronic treatment with L-arginine on atherosclerosis in apoE knockout and apoE/inducible NO synthase double-knockout mice. <b>2003</b> , 23, 97-103	83
2109	Effects of HDL3 on the expression of matrix-degrading proteases in human endothelial cells. <b>2003</b> , 12, 73	1
2108	Vasomotor function of pig coronary arteries after chronic coronary occlusion. 2003, 41, 600-8	5
2107	Gp91phox contributes to NADPH oxidase activity in aortic fibroblasts but not smooth muscle cells. <b>2003</b> , 285, H2284-9	60
2106	Oral antioxidant therapy improves endothelial function in Type 1 but not Type 2 diabetes mellitus. <b>2003</b> , 285, H2392-8	113
2105	Mechanisms of endothelial dysfunction: clinical significance and preventive non-pharmacological therapeutic strategies. <b>2003</b> , 9, 2385-402	105
2104	Interactions of angiotensin II with NAD(P)H oxidase, oxidant stress and cardiovascular disease. <b>2003</b> , 4, 51-61	175
2103	Nitric oxide-mediated endothelial dysfunctionis there need to treat?. <b>2003</b> , 1, 123-33	17
2102	Oxidative stress, the renin-angiotensin system, and atherosclerosis. <b>2003</b> , 5, A3-A7	19
2101	Genes and erectile function. 2003, 13, 397-403	3
2100	Oxygen Free Radicals in Heart Disease. <b>2003</b> , 47-66	2
2099	Exercise training regulates SOD-1 and oxidative stress in porcine aortic endothelium. <b>2003</b> , 284, H1378-87	118

2098	Vascular NAD(P)H oxidases: specific features, expression, and regulation. 2003, 285, R277-97	750
2097	Mechanisms of free radical production in the vascular wall. <b>2003</b> , 14, 101-7	5
2096	Role for aldosterone in cardiovascular injury. <b>2003</b> , 10, 191-196	
2095	Vascular inflammation: a role in vascular disease in hypertension?. <b>2003</b> , 12, 181-7	139
2094	Association of nitrotyrosine levels with cardiovascular disease and modulation by statin therapy. <b>2003</b> , 289, 1675-80	340
2093	Current World Literature. <b>2003</b> , 12, 201-220	
2092	Interrelationship of free oxygen radicals and endothelial dysfunctionmodulation by statins. <b>2003</b> , 10, 23-33	54
2091	Blockade of maitotoxin-induced endothelial cell lysis by glycine and L-alanine. <b>2003</b> , 284, C1006-20	71
2090	Magnetofectiona highly efficient tool for antisense oligonucleotide delivery in vitro and in vivo. <b>2003</b> , 7, 700-10	169
2089	Pathogenesis of hypertension. <b>2003</b> , 139, 761-76	381
2089	Pathogenesis of hypertension. 2003, 139, 761-76  Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in diabetic rat model. 2003, 284, H66-70	381
	Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in	
2088	Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in diabetic rat model. <b>2003</b> , 284, H66-70  Cardiology Grand Rounds from the University of North Carolina at Chapel Hill. The antioxidant	44
2088	Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in diabetic rat model. 2003, 284, H66-70  Cardiology Grand Rounds from the University of North Carolina at Chapel Hill. The antioxidant vitamins and coronary heart disease: Part II. Randomized clinical trials. 2003, 325, 15-9  Enhanced neuropeptide Y immunoreactivity and vasoconstriction in mesenteric small arteries from	44
2088 2087 2086	Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in diabetic rat model. 2003, 284, H66-70  Cardiology Grand Rounds from the University of North Carolina at Chapel Hill. The antioxidant vitamins and coronary heart disease: Part II. Randomized clinical trials. 2003, 325, 15-9  Enhanced neuropeptide Y immunoreactivity and vasoconstriction in mesenteric small arteries from spontaneously hypertensive rats. 2003, 40, 252-65  Ceramide-induced activation of NADPH oxidase and endothelial dysfunction in small coronary arteries. 2003, 284, H605-12	44 4 25
2088 2087 2086 2085	Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in diabetic rat model. 2003, 284, H66-70  Cardiology Grand Rounds from the University of North Carolina at Chapel Hill. The antioxidant vitamins and coronary heart disease: Part II. Randomized clinical trials. 2003, 325, 15-9  Enhanced neuropeptide Y immunoreactivity and vasoconstriction in mesenteric small arteries from spontaneously hypertensive rats. 2003, 40, 252-65  Ceramide-induced activation of NADPH oxidase and endothelial dysfunction in small coronary arteries. 2003, 284, H605-12  Gene transfer of extracellular SOD to the penis reduces O2-* and improves erectile function in	44 4 25 87
2088 2087 2086 2085	Autologous bone marrow cell implantation as therapeutic angiogenesis for ischemic hindlimb in diabetic rat model. 2003, 284, H66-70  Cardiology Grand Rounds from the University of North Carolina at Chapel Hill. The antioxidant vitamins and coronary heart disease: Part II. Randomized clinical trials. 2003, 325, 15-9  Enhanced neuropeptide Y immunoreactivity and vasoconstriction in mesenteric small arteries from spontaneously hypertensive rats. 2003, 40, 252-65  Ceramide-induced activation of NADPH oxidase and endothelial dysfunction in small coronary arteries. 2003, 284, H605-12  Gene transfer of extracellular SOD to the penis reduces O2-* and improves erectile function in aged rats. 2003, 284, H1408-21	44 4 25 87 85

#### [2004-2003]

Characteristics of ascorbic acid metabolism in scurvy-prone spontaneously hypertensive rat, 2080 SHR-od. 2003, 49, 1-6 Nifedipine upregulates manganese superoxide dismutase expression in vascular smooth muscle 22 cells via endothelial cell-dependent pathways. 2003, 26, 503-8 Tea polyphenols regulate nicotinamide adenine dinucleotide phosphate oxidase subunit expression 61 and ameliorate angiotensin II-induced hyperpermeability in endothelial cells. 2003, 26, 823-8 Losartan Increases No Production from the Bovine Aortic Wall That is Stimulated by Angiotensin II. **2003**, 1, 113-117 2076 Specific iNOS-targeted antisense knockdown in endothelial cells. 2003, 285, C489-98 5 Systemic alpha 1A-adrenoceptor antagonist inhibits neointimal growth after balloon injury of rat 20 carotid artery. 2003, 284, H385-92 2074 Reduced release of nitric oxide to shear stress in mesenteric arteries of aged rats. 2004, 286, H2249-56 136 Nitric Oxide and Cardioprotection During Ischemia-Reperfusion. 2004, 231-245 1 2072 Diabetic Nephropathy. 2004, 391-417 Cardiovascular risk in healthy men and markers of oxidative stress in diabetic men are associated 84 2071 with common variation in the gene for uncoupling protein 2. 2004, 25, 468-75 The predictive value of cardiorespiratory fitness for cardiovascular events in men with various risk 158 profiles: a prospective population-based cohort study. 2004, 25, 1428-37 2069 The shift in the "paradigm" of the pharmacology of hypertension. 2004, 4, 487-98 4 2068 Statins and endothelial dysfunction. 2004, 4, 333-46 13 2067 The role of nitric oxide in the development of diabetic angiopathy. 2004, 36, 319-35 73 Inhibition of aldose reductase attenuates TNF-alpha-induced expression of adhesion molecules in 2066 71 endothelial cells. 2004, 18, 1209-18 2065 Oxidative stress, antioxidants, and endothelial function. 2004, 11, 1093-104 118 2064 Angiotensin II and Nitric Oxide Interaction. 2004, 137-148 1 2063 Nox4 as the major catalytic component of an endothelial NAD(P)H oxidase. 2004, 109, 227-33 431

2062	novel mechanism of action for hydralazine: induction of hypoxia-inducible factor-1alpha, vascular endothelial growth factor, and angiogenesis by inhibition of prolyl hydroxylases. <i>Circulation</i> 1.  **Research*, 2004, 95, 162-9	5.7	107
2061	Glargine and regular human insulin similarly acutely enhance endothelium-dependent vasodilatation in normal subjects. <b>2004</b> , 24, 320-4		16
2060	Gene transfer of inducible nitric oxide synthase complementary DNA regresses the fibrotic plaque in an animal model of Peyronie's disease. <b>2004</b> , 71, 1568-77		72
2059	Modulation of the inflammatory response in cardiovascular disease. <b>2004</b> , 43, 924-31		105
2058	Endothelial function: a critical determinant in atherosclerosis?. <b>2004</b> , 109, II27-33		494
2057	C reactive protein and microvascular function. <b>2004</b> , 90, 727-8		7
2056	Insulin generates free radicals by an NAD(P)H, phosphatidylinositol 3'-kinase-dependent mechanism in human skin fibroblasts ex vivo. <b>2004</b> , 53, 1344-51		67
2055	Surrogate markers for cardiovascular disease: functional markers. <b>2004</b> , 109, IV31-46		167
2054	Increased endothelial tetrahydrobiopterin synthesis by targeted transgenic GTP-cyclohydrolase I overexpression reduces endothelial dysfunction and atherosclerosis in ApoE-knockout mice. <b>2004</b> , 24, 445-50		167
2053	Interleukin-6 induces oxidative stress and endothelial dysfunction by overexpression of the angiotensin II type 1 receptor. <i>Circulation Research</i> , <b>2004</b> , 94, 534-41	5.7	316
2052	Cerebral microvascular responses to hypercholesterolemia: roles of NADPH oxidase and P-selectin.  Circulation Research, <b>2004</b> , 94, 239-44	5.7	98
2051	Angiotensin-converting enzyme inhibitors and 3-hydroxy-3-methylglutaryl coenzyme A reductase in cardiac Syndrome X: role of superoxide dismutase activity. <b>2004</b> , 109, 53-8		130
2050	ROS during the acute phase of Ang II hypertension participates in cardiovascular MAPK activation but not vasoconstriction. <b>2004</b> , 43, 117-24		69
2049	Assessment of renal functional phenotype in mice lacking gp91PHOX subunit of NAD(P)H oxidase. <b>2004</b> , 43, 335-40		55
2048	Amlodipine and atorvastatin in atherosclerosis: a review of the potential of combination therapy. <b>2004</b> , 5, 459-68		33
2047	Oxidative stress and hypoxia: implications for plasminogen activator inhibitor-1 expression. <b>2004</b> , 6, 777-9	91	39
2046	Free radical production by dysfunctional eNOS. <b>2004</b> , 90, 494-5		61
2045	Functional effect of the p22phox -930A/G polymorphism on p22phox expression and NADPH oxidase activity in hypertension. <b>2004</b> , 44, 163-9		80

### (2004-2004)

2044	The two faces of endothelial nitric oxide synthase in the pathophysiology of atherosclerosis. <b>2004</b> , 11, 99-107	74
2043	Systemic regulation of vascular NAD(P)H oxidase activity and nox isoform expression in human arteries and veins. <b>2004</b> , 24, 1614-20	104
2042	gp91phox-containing NADPH oxidase mediates endothelial dysfunction in renovascular hypertension. <b>2004</b> , 109, 1795-801	226
2041	Oxidative stress in essential hypertension. <b>2004</b> , 10, 1695-8	54
2040	Upregulation of vascular extracellular superoxide dismutase in patients with acute coronary syndromes. <b>2004</b> , 24, 106-11	22
2039	And what about the endothelium? On the predominance of cerebral superoxide formation for angiotensin II-induced systemic hypertension. <i>Circulation Research</i> , <b>2004</b> , 95, 122-4	2
2038	Short-term exposure of high glucose concentration induces generation of reactive oxygen species in endothelial cells: implication for the oxidative stress associated with postprandial hyperglycemia. <b>2004</b> , 9, 111-6	68
2037	Implication of an AGT haplotype in a multigene association study with pregnancy hypertension. <b>2004</b> , 43, 71-8	59
2036	Dietary approach to attenuate oxidative stress, hypertension, and inflammation in the cardiovascular system. <b>2004</b> , 101, 7094-9	231
2035	Leukocyte-derived myeloperoxidase amplifies high-glucoseinduced endothelial dysfunction through interaction with high-glucosestimulated, vascular nonleukocyte-derived reactive oxygen species. <b>2004</b> , 53, 2950-9	76
2034	Gender differences in superoxide generation in microvessels of hypertensive rats: role of NAD(P)H-oxidase. <b>2004</b> , 61, 22-9	84
2033	Oxidative stress in hypertension. <b>2004</b> , 26, 593-601	145
2032	Metabolic regulation of potassium channels. <b>2004</b> , 66, 131-59	59
2031	Regulation of endothelial nitric oxide synthase by tetrahydrobiopterin in vascular disease. <b>2004</b> , 24, 413-20	425
2030	Does altered glucocorticoid homeostasis increase cardiovascular risk?. <b>2004</b> , 64, 217-26	127
2029	Aging-related induction of inducible nitric oxide synthase is vasculo-protective to the arterial media. <b>2004</b> , 61, 796-805	75
2028	Reactive oxygen species: players in the platelet game. <b>2004</b> , 24, 1988-96	273
2027	Inhibition of inducible nitric oxide synthase and superoxide production reduces matrix metalloproteinase-9 activity and restores coronary vasomotor function in rat cardiac allografts.	22

2026	From bedside to bench to bedside: role of renin-angiotensin-aldosterone system in remodeling of resistance arteries in hypertension. <b>2004</b> , 287, H435-46	190
2025	Mechanisms of aging-induced impairment of endothelium-dependent relaxation: role of tetrahydrobiopterin. <b>2004</b> , 287, H2448-53	83
2024	Endothelium-derived microparticles impair endothelial function in vitro. <b>2004</b> , 286, H1910-5	281
2023	Antioxidant intervention prevents renal neovascularization in hypercholesterolemic pigs. <b>2004</b> , 15, 1816-25	66
2022	Maitotoxin-induced cell death cascade in bovine aortic endothelial cells: divalent cation specificity and selectivity. <b>2004</b> , 287, C345-56	26
2021	Increased tissue PO2 and decreased O2 delivery and consumption after 80% exchange transfusion with polymerized hemoglobin. <b>2004</b> , 287, H2825-33	42
2020	Oxidative stress, renal infiltration of immune cells, and salt-sensitive hypertension: all for one and one for all. <b>2004</b> , 286, F606-16	199
2019	The ubiquitin-proteasome system in cardiovascular diseases-a hypothesis extended. <b>2004</b> , 61, 11-21	129
2018	Do incremental increases in blood pressure elicit neointimal plaques through endothelial injury?. <b>2004</b> , 287, R1486-93	2
2017	HIV protease inhibitor ritonavir decreases endothelium-dependent vasorelaxation and increases superoxide in porcine arteries. <b>2004</b> , 63, 168-75	45
2016	Impaired nitric oxide- and endothelium-derived hyperpolarizing factor-dependent dilation of renal afferent arteriole in Dahl salt-sensitive rats. <b>2004</b> , 9, 272-7	15
2015	Alpha-lipoic acid does not acutely affect resistance and conduit artery function or oxidative stress in healthy men. <b>2004</b> , 58, 243-8	17
2014	Radical scavenging effect of gliclazide in diabetic rats fed with a high cholesterol diet. <b>2004</b> , 65, 951-60	46
2013	The effects of iron dextran on the oxidative stress in cardiovascular tissues of rats with chronic renal failure. <b>2004</b> , 65, 1802-9	56
2012	Linking oxidative stress and inflammation in kidney disease: which is the chicken and which is the egg?. <b>2004</b> , 17, 449-54	97
2011	Role of hyperhomocysteinemia in endothelial dysfunction and atherothrombotic disease. <b>2004</b> , 11 Suppl 1, S56-64	280
2010	Reactive oxygen species impair Slo1 BK channel function by altering cysteine-mediated calcium sensing. <b>2004</b> , 11, 171-8	138
2009	Indomethacin potentiates acetylcholine-induced vasodilation by increasing free radical production. <b>2004</b> , 142, 1233-40	17

### (2004-2004)

2008	somatosensory cortex. <b>2004</b> , 24, 334-42	111
2007	Xanthine oxidoreductase and cardiovascular disease: molecular mechanisms and pathophysiological implications. <b>2004</b> , 555, 589-606	619
2006	Endothelial dysfunction and nitric oxide enhancing therapy: a new approach to the treatment of heart failure. <b>2004</b> , 10, 237-42	1
2005	Inhibition of the cardiac angiogenic response to exogenous vascular endothelial growth factor. <b>2004</b> , 136, 407-15	38
2004	Arsenic and atherosclerosis. <b>2004</b> , 198, 444-9	114
2003	Genoprotective pathways. II. Attenuation of oxidative DNA damage by isopentenyl diphosphate. <b>2004</b> , 554, 33-43	5
2002	The effect of short- versus long-term administration of alpha tocopherol on the survival of random flaps in experimental diabetes mellitus. <b>2004</b> , 18, 249-57	6
2001	Adenovirus-mediated gene transfer into the brain stem to examine cardiovascular function: role of nitric oxide and Rho-kinase. <b>2004</b> , 84, 233-49	8
2000	Exercise and endothelial function: role of endothelium-derived nitric oxide and oxidative stress in healthy subjects and hypertensive patients. <b>2004</b> , 102, 87-96	154
1999	Cardiac calcification in renal patients: what we do and don't know. <b>2004</b> , 43, 234-43	62
1998	Superoxide dismutase entrapped-liposomes restore the impaired endothelium-dependent relaxation of resistance arteries in experimental diabetes. <b>2004</b> , 484, 111-8	11
1997	Endothelial dysfunction and altered bradykinin response due to oxidative stress induced by serum deprivation in the bovine cerebral artery. <b>2004</b> , 491, 53-60	13
1996	Effects of the peroxynitrite decomposition catalyst, FeTMPyP, on function of corpus cavernosum from diabetic mice. <b>2004</b> , 502, 143-8	46
1995	Effect of atorvastatin 80 mg on endothelial cell function (forearm blood flow) in patients with pretreatment serum low-density lipoprotein cholesterol levels . <b>2004</b> , 93, 84-8	41
1994	Polyunsaturated fatty acids acutely suppress antibodies to malondialdehyde-modified lipoproteins in patients with vascular disease. <b>2004</b> , 93, 881-5	20
1993	Effect of hyperuricemia upon endothelial function in patients at increased cardiovascular risk. <b>2004</b> , 94, 932-5	177
1992	Measurement of NAD(P)H oxidase-derived superoxide with the luminol analogue L-012. <b>2004</b> , 36, 101-11	144
1991	Weight loss and race modulate nitric oxide metabolism in overweight women. <b>2004</b> , 37, 695-702	17

1990	Effects of thiol antioxidant on reduced nicotinamide adenine dinucleotide phosphate oxidase in hypertensive Dahl salt-sensitive rats. <b>2004</b> , 37, 1813-20	23
1989	Is there an answer?. <b>2004</b> , 56, 633-5	
1988	The endothelium in health and disease: A discussion of the contribution of non-nitric oxide endothelium-derived vasoactive mediators to vascular homeostasis in normal vessels and in type II diabetes. <b>2004</b> , 263, 21-7	21
1987	Endothelial cell superoxide generation: regulation and relevance for cardiovascular pathophysiology. <b>2004</b> , 287, R1014-30	552
1986	Physical Forces and their Translation into Molecular Mechanisms. <b>2004</b> , 73-113	2
1985	Oxyradicals as a mechanism of angiotensin-induced hypertension. <b>2004</b> , 13, 59-66	7
1984	Folate, homocysteine, endothelial function and cardiovascular disease. <b>2004</b> , 15, 64-79	182
1983	Redox processes underlying the vascular repair reaction. <b>2004</b> , 28, 331-6	28
1982	Diabetes and inflammation. 2004, 29, 749-59	21
1981	The neuroprotective effect of the antioxidant flavonoid derivate di-tert-butylhydroxyphenyl is parallel to the preventive effect on post-ischemic Kir2.x impairment but not to post-ischemic endothelial dysfunction. <b>2004</b> , 370, 395-403	12
1980	Novel features of nitric oxide, endothelial nitric oxide synthase, and atherosclerosis. <b>2004</b> , 6, 281-7	77
1979	Microalbuminuria and oxidative stress in essential hypertension. <b>2004</b> , 255, 588-94	34
1978	Determinants of F2-isoprostane biosynthesis and inhibition in man. <b>2004</b> , 128, 149-63	76
1977	Endothelial cell adhesion molecules in healthy adults during acute hyperhomocysteinemia and mild hypertriglyceridemia. <b>2004</b> , 37, 408-14	28
1976	Oxidative stress-associated vascular aging is independent of the protein kinase C/NAD(P)H oxidase pathway. <b>2004</b> , 38, 181-90	15
1975	Nicotine and angiogenesis: a new paradigm for tobacco-related diseases. <b>2004</b> , 36, 33-40	96
1974	Detection of superoxide and peroxynitrite in model systems and mitochondria by the luminol analogue L-012. <b>2004</b> , 38, 259-69	105
1973	Endothelial Dysfunction, Vascular Damage and Clinical Events. <b>2004</b> , 11, 15-27	1

Selected Presentations from the International Workshop on Endothelial Dysfunction and Cardiovascular Disease, Rome, June 4B, 2004. <b>2004</b> , 11, 187-204	
Xanthine oxidase inhibition by 1,3-dipropyl-8-sulfophenylxanthine (DPSPX), an antagonist of adenosine receptors. <b>2004</b> , 19, 11-5	5
Phenolics from commercialized grape extracts prevent early atherosclerotic lesions in hamsters by mechanisms other than antioxidant effect. <b>2004</b> , 52, 5297-302	91
1969 Vasomodulating potential of mediterranean wild plant extracts. <b>2004</b> , 52, 5021-6	24
[Biomarkers of vascular inflammation and subclinical atherosclerosis in the metabolic syndrome]. <b>2004</b> , 123, 361-3	1
1967 Novel therapeutic strategies for the treatment of erectile dysfunction. <b>2004</b> , 1, 249-257	1
1966 Inhibition of vascular oxidative stress in hypercholesterolemia by eccentric isosorbide mononitrate <b>2004</b> , 44, 624-31	. 27
1965 Combination of isosorbide dinitrate and hydralazine in blacks with heart failure. <b>2004</b> , 351, 2049-57	, 1299
1964 Vascular regulation by the L-arginine metabolites, nitric oxide and agmatine. <b>2004</b> , 49, 397-414	65
1963 Statins in atherosclerosis: lipid-lowering agents with antioxidant capabilities. <b>2004</b> , 173, 1-12	202
1962 Cardiovascular Pharmacogenetics. <b>2004</b> ,	
A comparison of agents used to manage type 2 diabetes mellitus: need for reappraisal of traditional approaches. <b>2004</b> , 3, 67-76	17
1960 Fetal and childhood onset of adult cardiovascular diseases. <b>2004</b> , 51, 1697-719, x	25
C-type natriuretic peptide: new candidate for endothelium-derived hyperpolarising factor. <b>2004</b> , 36, 1878-81	23
Role of CaMKII in hydrogen peroxide activation of ERK1/2, p38 MAPK, HSP27 and actin reorganization in endothelial cells. <b>2004</b> , 572, 307-13	73
Augmented heme oxygenase-1 induces prostaglandin uptake via the prostaglandin transporter in micro-vascular endothelial cells. <b>2004</b> , 323, 1299-305	6
Treatment with 17-beta-estradiol reduces superoxide production in aorta of ovariectomized rats. <b>2004</b> , 69, 779-87	48
1955 Endothelial dysfunction as a cause of erectile dysfunctionmisdiagnosis or misnomer?. <b>2004</b> , 64, 19	1 <b>3-4</b> 5

1954	Coping with endothelial superoxide: potential complementarity of arginine and high-dose folate. <b>2004</b> , 63, 709-18	11
1953	Vascular endothelium is the organ chiefly responsible for the catabolism of plasma asymmetric dimethylargininean explanation for the elevation of plasma ADMA in disorders characterized by endothelial dysfunction. <b>2004</b> , 63, 699-708	20
1952	Tempol improves vascular function in the mesenteric vascular bed of senescent rats. 2004, 82, 200-7	26
1951	L-Arginine inhibits xanthine oxidase-dependent endothelial dysfunction in hypercholesterolemia. <b>2004</b> , 561, 94-8	9
1950	Insights into the redox control of blood coagulation: role of vascular NADPH oxidase-derived reactive oxygen species in the thrombogenic cycle. <b>2004</b> , 6, 765-76	53
1949	Detection of intracellular superoxide formation in endothelial cells and intact tissues using dihydroethidium and an HPLC-based assay. <b>2004</b> , 287, C895-902	216
1948	Importance of pulmonary artery perfusion in cardiac surgery. <b>2004</b> , 18, 166-74	9
1947	Inhibition of endothelial nitric oxide generation by low-density lipoprotein is partially prevented by L-arginine and L-ascorbate. <b>2004</b> , 176, 345-53	10
1946	Redox signaling in central neural regulation of cardiovascular function. <b>2004</b> , 84, 125-49	97
1945	Effects of green tea polyphenol on preservation of human saphenous vein. <b>2004</b> , 110, 109-17	13
1944	The antioxidant effects of statins. <b>2004</b> , 15, 251-8	96
1943	Microvascular dysfunction in angiographically normal or mildly diseased coronary arteries predicts adverse cardiovascular long-term outcome. <b>2004</b> , 15, 259-64	151
1942	Mechanisms of cardioprotection by volatile anesthetics. <b>2004</b> , 100, 707-21	218
1941	Association of increased phagocytic NADPH oxidase-dependent superoxide production with diminished nitric oxide generation in essential hypertension. <b>2004</b> , 22, 2169-75	80
1940	Enhanced platelet release of superoxide anion in systemic hypertension: role of AT1 receptors. <b>2004</b> , 22, 1151-6	32
1939	The role of the AT1 receptor in the cardiovascular continuum. <b>2004</b> , 6, h3-h9	5
1938	Antioxidative stress-associated genes in circulating progenitor cells: evidence for enhanced resistance against oxidative stress. <b>2004</b> , 104, 3591-7	286
1937	Strategies to reduce oxidative stress in cardiovascular disease. <b>2004</b> , 106, 219-34	152

1936 Nitric Oxide and Cardiovascular Protection. **2004**, 131-136

Malfunction of vascular control in lifestyle-related diseases: endothelial nitric oxide (NO) synthase/NO system in atherosclerosis. <b>2004</b> , 96, 411-9	55
1934 Effect of high-salt diet on NO release and superoxide production in rat aorta. <b>2004</b> , 286, H575-83	88
Role of nitrosative stress and peroxynitrite in the pathogenesis of diabetic complications. Emerging new therapeutical strategies. <b>2005</b> , 12, 267-75	270
1932 Signalling pathways activated by hydrogen peroxide in vascular smooth muscle. <b>2005</b> , 23, 1961-2	1
1931 Serum ferritin is a risk factor for stroke in postmenopausal women. <b>2005</b> , 36, 1637-41	74
Oxidative stress contributes to the enhanced expression of Gialpha proteins and adenylyl cyclase signaling in vascular smooth muscle cells from spontaneously hypertensive rats. <b>2005</b> , 23, 2251-61	47
1929 Increased plasma levels of thioredoxin in patients with glucose intolerance. <b>2005</b> , 44, 1127-32	27
1928 Nitric oxide and superoxide in the renal medulla: a delicate balancing act. <b>2005</b> , 14, 9-15	55
1927 NADPH oxidase and endothelial cell function. <b>2005</b> , 109, 217-26	196
1926 Mechanism and effect of thrombospondin-4 polymorphisms on neutrophil function. <b>2005</b> , 106, 3970-8	43
NAD(P)H-dependent superoxide production in platelets: the role of angiotensin II and protein kinase C. <b>2005</b> , 38, 607-13	14
Blood pressure-lowering effects of lifestyle modification: possible involvement of nitric oxide bioavailability. <b>2005</b> , 28, 779-86	33
Aging induces cardiac diastolic dysfunction, oxidative stress, accumulation of advanced glycation endproducts and protein modification. <b>2005</b> , 4, 57-64	105
1922 Cell-derived microparticles contain caspase 3 in vitro and in vivo. <b>2005</b> , 3, 888-96	70
1921 Mechanisms of homocysteine-induced atherothrombosis. <b>2005</b> , 3, 1646-54	269
Reduced prevalence of ischemic events and abnormal supraortic flow patterns in patients with liver cirrhosis. <b>2005</b> , 25, 331-6	42
1919 Endothelium-dependent contractions in hypertension. <b>2005</b> , 144, 449-58	222

1918	Pharmacological neutropenia prevents endothelial dysfunction but not smooth muscle functions impairment induced by middle cerebral artery occlusion. <b>2005</b> , 144, 1051-8	26
1917	Reduced hyperpolarization in endothelial cells of rabbit aortic valve following chronic nitroglycerine administration. <b>2005</b> , 146, 487-97	19
1916	Chronic nitroglycerine administration reduces endothelial nitric oxide production in rabbit mesenteric resistance artery. <b>2005</b> , 146, 534-42	11
1915	Oxidative stress and vascular remodelling. <b>2005</b> , 90, 457-62	108
1914	The role of nitric oxide in regulation of the cardiovascular system in reptiles. <b>2005</b> , 142, 205-14	28
1913	Nitric oxide dynamics and endothelial dysfunction in type II model of genetic diabetes. <b>2005</b> , 511, 53-64	122
1912	Nitric oxide modulates angiotensin II-induced endothelial vasoconstrictor prostanoid release. <b>2005</b> , 520, 127-34	7
1911	Sexual dysfunction and lower urinary tract symptoms (LUTS) associated with benign prostatic hyperplasia (BPH). <b>2005</b> , 47, 824-37	156
1910	Curcumin blocks HIV protease inhibitor ritonavir-induced vascular dysfunction in porcine coronary arteries. <b>2005</b> , 200, 820-30	36
1909	Cardioprotective effects of Ilex paraguariensis extract: evidence for a nitric oxide-dependent mechanism. <b>2005</b> , 24, 360-6	59
1908	Induction of apoptosis and modulation of production of reactive oxygen species in human endothelial cells by diphenyleneiodonium. <b>2005</b> , 69, 1263-73	25
1907	Suppression of vascular cell adhesion molecule-1 expression by crocetin contributes to attenuation of atherosclerosis in hypercholesterolemic rabbits. <b>2005</b> , 70, 1192-9	68
1906	Effects of statins on 3-hydroxy-3-methylglutaryl coenzyme a reductase inhibition beyond low-density lipoprotein cholesterol. <b>2005</b> , 96, 24F-33F	200
1905	Methylglyoxal-induced nitric oxide and peroxynitrite production in vascular smooth muscle cells. <b>2005</b> , 38, 286-93	111
1904	Oxidant stress but not thromboxane decreases with epoprostenol therapy. <b>2005</b> , 38, 568-74	33
1903	Alterations in redox homeostasis and prostaglandins impair endothelial-dependent vasodilation in euglycemic autoimmune nonobese diabetic mice. <b>2005</b> , 39, 1089-98	21
1902	Pathophysiology of erectile dysfunction. <b>2005</b> , 2, 26-39	133
1901	Current topics of physiology and pharmacology in the lymphatic system. <b>2005</b> , 105, 165-88	73

### (2005-2005)

1900	Normalization of coronary microvascular reactivity and improvement in myocardial perfusion by surgical vascular endothelial growth factor therapy combined with oral supplementation of l-arginine in a porcine model of endothelial dysfunction. <b>2005</b> , 129, 1414-20	25
1899	Nitric oxide bioavailability in malaria. <b>2005</b> , 21, 415-22	52
1898	Role of oxidative stress in angiotensin-II mediated contraction of human conduit arteries in patients with cardiovascular disease. <b>2005</b> , 43, 277-82	16
1897	Proteins as biomarkers of oxidative/nitrosative stress in diseases: the contribution of redox proteomics. <b>2005</b> , 24, 55-99	354
1896	Defective antioxidative activity of small dense HDL3 particles in type 2 diabetes: relationship to elevated oxidative stress and hyperglycaemia. <b>2005</b> , 48, 529-38	175
1895	[Coronary microcirculation. Pathophysiology, clinical relevance, and importance for regenerative therapy after myocardial infarction]. <b>2005</b> , 30, 641-50	3
1894	Dietary manganese suppresses alpha1 adrenergic receptor-mediated vascular contraction. <b>2005</b> , 16, 44-9	13
1893	Nitric oxide mediates the effect of fluvastatin on intercellular adhesion molecule-1 and platelet endothelial cell adhesion molecule-1 expression on human endothelial cells. <b>2005</b> , 19, 386-92	43
1892	XXXIII Congress the Spanish Society of Physiological Society a Sponsored Symposia in Association with the Physiological Society (UK and Eire) and the Dutch Society of Physiology. <b>2005</b> , 61, 1-309	
1891	Novel features of nitric oxide, endothelial nitric oxide synthase, and atherosclerosis. <b>2005</b> , 5, 17-23	58
1890	Anti-inflammatory strategies in hypertension: focus on COX-1 and COX-2. <b>2005</b> , 7, 52-60	5
1889	Smoking, oxidative stress and inflammation: impact on resting energy expenditure in diabetic nephropathy. <b>2005</b> , 6, 13	47
1888	Aged garlic extract improves endothelial function in men with coronary artery disease. <b>2005</b> , 19, 314-9	98
1887	Effects of L-arginine on fibroblast growth factor 2-induced angiogenesis in a model of endothelial dysfunction. <b>2005</b> , 112, I202-7	23
1886	The pathogenesis of diabetic complications: the role of DNA injury and poly(ADP-ribose) polymerase activation in peroxynitrite-mediated cytotoxicity. <b>2005</b> , 100 Suppl 1, 29-37	30
1885	Association of Metabolic Syndrome and C-reactive Protein Levels with Intracranial Atherosclerotic Stroke. <b>2005</b> , 1, 69-75	3
1884	Thromboxane inhibition reduces an early stage of chronic hypoxia-induced pulmonary hypertension in piglets. <b>2005</b> , 99, 670-6	27
1883	A unifying system: does the vascular endothelium have a role to play in multi-organ failure following radiation exposure?. <b>2005</b> , Supplement_27, 100-105	30

1882	Gene Expression of Heme Oxygenase-1: Relationship to Fibrogenic and Apoptotic Factors in Murine Schistosomiasis. <b>2005</b> , 36, 67-78	2
1881	Gene expression profile and aortic vessel distensibility in voluntarily exercised spontaneously hypertensive rats: potential role of heat shock proteins. <b>2005</b> , 22, 319-26	9
1880	Inflammation-dependent thrombosis. <b>2005</b> , 10, 2750-7	24
1879	Superoxide contributes to development of salt sensitivity and hypertension induced by nitric oxide deficiency. <b>2005</b> , 46, 1026-31	62
1878	Programming blood pressure in adult SHR by shifting perinatal balance of NO and reactive oxygen species toward NO: the inverted Barker phenomenon. <b>2005</b> , 288, F626-36	71
1877	Simultaneous imaging of [Ca2+]i and intracellular NO production in freshly isolated uterine artery endothelial cells: effects of ovarian cycle and pregnancy. <b>2005</b> , 288, R140-8	43
1876	Increased counteracting effect of eNOS and nNOS on an alpha1-adrenergic rise in total peripheral vascular resistance in spontaneous hypertensive rats. <b>2005</b> , 67, 736-44	21
1875	Hydrogen peroxide regulation of endothelial function: origins, mechanisms, and consequences. <b>2005</b> , 68, 26-36	418
1874	Activation of NAD(P)H oxidase by outward movements of H+ ions in renal medullary thick ascending limb of Henle. <b>2005</b> , 289, F1048-56	37
1873	Impaired insulin-induced vasodilation in small coronary arteries of Zucker obese rats is mediated by reactive oxygen species. <b>2005</b> , 288, H854-60	78
1872	Role of nitrosative stress and poly(ADP-ribose) polymerase activation in diabetic vascular dysfunction. <b>2005</b> , 3, 247-52	35
1871	Nox1 is involved in angiotensin II-mediated hypertension: a study in Nox1-deficient mice. <b>2005</b> , 112, 2677-85	379
1870	Hyperhomocysteinemia, a cardiac metabolic disease: role of nitric oxide and the p22phox subunit of NADPH oxidase. <b>2005</b> , 111, 2112-8	38
1869	Vascular remodeling versus amyloid beta-induced oxidative stress in the cerebrovascular dysfunctions associated with Alzheimer's disease. <b>2005</b> , 25, 11165-74	132
1868	NAD(P)H oxidase-dependent self-propagation of hydrogen peroxide and vascular disease. <i>Circulation Research</i> , <b>2005</b> , 96, 818-22	203
1867	Proteomic and metabolomic analyses of atherosclerotic vessels from apolipoprotein E-deficient mice reveal alterations in inflammation, oxidative stress, and energy metabolism. <b>2005</b> , 25, 2135-42	151
1866	Polymorphonuclear leukocytes may impair endothelial function: results of crossover randomized study of lipid-lowering therapies. <b>2005</b> , 25, 1262-7	29
1865	Endothelial aging. <b>2005</b> , 66, 286-94	427

### (2005-2005)

1864	Cigarette smoke metal-catalyzed protein oxidation leads to vascular endothelial cell contraction by depolymerization of microtubules. <b>2005</b> , 19, 1096-107	94
1863	Association of the metabolic syndrome with intracranial atherosclerotic stroke. <b>2005</b> , 65, 296-8	119
1862	NADPH oxidase-derived reactive oxygen species in cardiac pathophysiology. <b>2005</b> , 360, 2327-34	81
1861	Associations of the UCP2 gene locus with asymptomatic carotid atherosclerosis in middle-aged women. <b>2005</b> , 25, 604-10	44
1860	Selective COX-2 inhibitors and renal injury in salt-sensitive hypertension. <b>2005</b> , 45, 193-7	53
1859	The role of the multidrug resistance protein-1 in modulation of endothelial cell oxidative stress.  Circulation Research, 2005, 97, 637-44	104
1858	Isoflavones and endothelial function. <b>2005</b> , 18, 130-44	16
1857	ADMA and hyperhomocysteinemia. <b>2005</b> , 10, S27-S33	48
1856	Laminar shear stress and 3' polyadenylation of eNOS mRNA. <i>Circulation Research</i> , <b>2005</b> , 96, 1161-8 15.7	48
1855	Endothelial function and early atherosclerotic changes. <b>2005</b> , 1, 501-8	7
1854	Mechanisms of the atherogenic effects of elevated homocysteine in experimental models. <b>2005</b> , 5, 163-71	28
1853	The vascular endothelium in diabetes: a practical target for drug treatment?. <b>2005</b> , 9, 101-17	18
1852	Hydrogen peroxide regulation of endothelial exocytosis by inhibition of N-ethylmaleimide sensitive factor. <b>2005</b> , 170, 73-9	35
1851	Effects of 4-hydroxy-2-nonenal on cultured human aortic endothelial cells and myocardial cell. <b>2005</b> , 2005, 5598-602	
1850	NADPH oxidase-mediated oxidative stress: genetic studies of the p22(phox) gene in hypertension. <b>2005</b> , 7, 1327-36	80
1849	Evaluating cardiovascular pathophysiology and anatomy in atherosclerosis. <b>2005</b> , 3, 187-92	8
1848	Survival rates of patients with malignant melanoma of the skin. <b>1977</b> , 66, 31-5	31
1847	Targeting endothelial cells with adenovirus expressing nitric oxide synthase prevents elevation of blood pressure in stroke-prone spontaneously hypertensive rats. <b>2005</b> , 12, 321-7	52

1846	Can vitamin E prevent cardiovascular events and cancer?. <b>2005</b> , 2, 510-1		11
1845	NADPH oxidase activity and function are profoundly greater in cerebral versus systemic arteries.  Circulation Research, 2005, 97, 1055-62	:-7	176
1844	Progesterone antagonizes the vasoprotective effect of estrogen on antioxidant enzyme expression and function. <i>Circulation Research</i> , <b>2005</b> , 97, 1046-54	i.7	81
1843	Circulating ghrelin in patients undergoing elective cholecystectomy. <b>2005</b> , 51, 1258-61		4
1842	Endothelial dihydrofolate reductase: critical for nitric oxide bioavailability and role in angiotensin II uncoupling of endothelial nitric oxide synthase. <b>2005</b> , 102, 9056-61		274
1841	Emerging role of direct thrombin inhibitors in nonvalvular atrial fibrillation: potential and peril. <b>2005</b> , 10, 11-21		7
1840	IRS-1 and vascular complications in diabetes mellitus. <b>2005</b> , 70, 25-67		5
1839	Endostatin uncouples NO and Ca2+ response to bradykinin through enhanced O2*- production in the intact coronary endothelium. <b>2005</b> , 288, H686-94		31
1838	Review: Clinical assessment of endothelial function [an update. 2005, 5, 72-76		3
1837	ADMA and hyperhomocysteinemia. <b>2005</b> , 10 Suppl 1, S27-33		51
1837 1836	ADMA and hyperhomocysteinemia. 2005, 10 Suppl 1, S27-33  Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric dimethylarginine in human plasma. 2005, 51, 1268-71		109
1836	Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric		
1836	Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric dimethylarginine in human plasma. <b>2005</b> , 51, 1268-71		109
1836 1835	Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric dimethylarginine in human plasma. 2005, 51, 1268-71  Cell biology of diabetic kidney disease. 2005, 101, e100-10  Platelets, inflammation, and atherothrombotic neurovascular disease: the role of endothelial dysfunction. 2005, 20 Suppl 2, 32-9  Unraveling the links between diabetes, obesity, and cardiovascular disease. <i>Circulation Research</i> ,	··7	109
1836 1835 1834	Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric dimethylarginine in human plasma. 2005, 51, 1268-71  Cell biology of diabetic kidney disease. 2005, 101, e100-10  Platelets, inflammation, and atherothrombotic neurovascular disease: the role of endothelial dysfunction. 2005, 20 Suppl 2, 32-9  Unraveling the links between diabetes, obesity, and cardiovascular disease. <i>Circulation Research</i> ,	·-7	109
1836 1835 1834	Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric dimethylarginine in human plasma. 2005, 51, 1268-71  Cell biology of diabetic kidney disease. 2005, 101, e100-10  Platelets, inflammation, and atherothrombotic neurovascular disease: the role of endothelial dysfunction. 2005, 20 Suppl 2, 32-9  Unraveling the links between diabetes, obesity, and cardiovascular disease. <i>Circulation Research</i> , 2005, 96, 1129-31	:-7	109 10 32 41
1836 1835 1834 1833	Liquid chromatography-tandem mass spectrometry method for the analysis of asymmetric dimethylarginine in human plasma. 2005, 51, 1268-71  Cell biology of diabetic kidney disease. 2005, 101, e100-10  Platelets, inflammation, and atherothrombotic neurovascular disease: the role of endothelial dysfunction. 2005, 20 Suppl 2, 32-9  Unraveling the links between diabetes, obesity, and cardiovascular disease. Circulation Research, 2005, 96, 1129-31  Impact of regular physical activity on the NAD(P)H oxidase and angiotensin receptor system in patients with coronary artery disease. 2005, 111, 555-62  Evaluation of bioavailability of nitric oxide in coronary circulation by direct measurement of plasma	:-7	109 10 32 41 251

1828	Pivotal role for endothelial tetrahydrobiopterin in pulmonary hypertension. <b>2005</b> , 111, 2126-33	136
1827	Stoichiometric relationships between endothelial tetrahydrobiopterin, endothelial NO synthase (eNOS) activity, and eNOS coupling in vivo: insights from transgenic mice with endothelial-targeted 15.7 GTP cyclohydrolase 1 and eNOS overexpression. <i>Circulation Research</i> , <b>2005</b> , 97, 864-71	175
1826	How Should Serum Uric Acid Concentrations be Interpreted in Patients with Hypertension?. <b>2005</b> , 1, 89-95	3
1825	Oxidative-nitrosative stress in hypertension. <b>2005</b> , 3, 231-46	70
1824	Reactive Oxygen Species, Nitric Oxide and Hypertensive Endothelial Dysfunction. <b>2005</b> , 1, 201-215	9
1823	Soy isoflavones improve endothelial function in spontaneously hypertensive rats in an estrogen-independent manner: role of nitric-oxide synthase, superoxide, and cyclooxygenase metabolites. <b>2005</b> , 314, 1300-9	37
1822	Particulate pollution and endothelial function: dj vu all over again in the air. 2005, 111, 2869-71	21
1821	Oxidative stress in obstructive sleep apnoea. <b>2005</b> , 26, 2435-9	115
1820	Rosuvastatin treatment protects against nitrate-induced oxidative stress. <b>2005</b> , 46, 177-84	33
1819	Vasorelaxant and antioxidant activity of flavonols and flavones: structure-activity relationships. <b>2005</b> , 46, 302-9	76
1818	Diabetes induces endothelial dysfunction but does not increase neointimal formation in high-fat diet fed C57BL/6J mice. <i>Circulation Research</i> , <b>2005</b> , 96, 1178-84	124
1817	[Endothelial dysfunction in patients with diabetes: identification, pathogenesis and treatment]. <b>2005</b> , 34, 1654-61	5
1816	Antioxidants and endothelium protection. <b>2005</b> , 181, 215-24	62
1815	Rho and vascular disease. <b>2005</b> , 183, 1-16	115
1814	Gender difference in functional properties of Na,K-ATPase in the heart of spontaneously hypertensive rats. <b>2005</b> , 76, 971-82	15
1813	Erectile dysfunction is a signal of risk for cardiovascular disease: a primary care view. <b>2005</b> , 32, 977-93, vii	5
1812	Relevance of oxidative pathways in the pathophysiology of chronic kidney disease. <b>2005</b> , 23, 319-30	54
1811	Tamoxifen up-regulates catalase production, inhibits vessel wall neutrophil infiltration, and attenuates development of experimental abdominal aortic aneurysms. <b>2005</b> , 41, 108-14	50

1810	Cyclooxygenase-2 inhibition improves vascular endothelial dysfunction in a rat model of endotoxic shock: role of inducible nitric-oxide synthase and oxidative stress. <b>2005</b> , 312, 945-53	79
1809	Therapeutic potential of nitric oxide donors in the prevention and treatment of atherosclerosis. <b>2005</b> , 26, 1945-55	124
1808	The contribution of Nox4 to NADPH oxidase activity in mouse vascular smooth muscle. <b>2005</b> , 65, 495-504	164
1807	Increased superoxide leads to decreased flow-induced dilation in resistance arteries of Mn-SOD-deficient mice. <b>2005</b> , 288, H2225-31	14
1806	FOXO-dependent expression of the proapoptotic protein Bim: pivotal role for apoptosis signaling in endothelial progenitor cells. <b>2005</b> , 19, 974-6	175
1805	The pathogenesis of atherosclerosis. <b>2005</b> , 3-70	41
1804	Inhibition of geranylgeranyltransferase I decreases generation of vascular reactive oxygen species and increases vascular nitric oxide production. <b>2005</b> , 124, 256-63	18
1803	Rapid effect of pravastatin on endothelial function and lipid peroxidation in unstable angina. <b>2005</b> , 101, 65-70	33
1802	Neutrophils superoxide anion generation during carvedilol therapy in patients with stable angina. <b>2005</b> , 102, 397-402	2
1801	Effects of weight loss and risk factor treatment in subjects with elevated serum C3, an inflammatory predictor of myocardial infarction. <b>2005</b> , 100, 217-23	16
1800	HIV protease inhibitor ritonavir increases endothelial monolayer permeability. 2005, 335, 874-82	33
1799	Effects of pentoxifylline on oxidative stress and levels of EGF and NO in blood of diabetic type-2 patients; a randomized, double-blind placebo-controlled clinical trial. <b>2005</b> , 59, 302-6	65
1798	Alpha-tocopherol: roles in prevention and therapy of human disease. <b>2005</b> , 59, 380-7	150
1797	Endothelial dysfunction after exposure to cobalt chloride enhanced vascular contractility. <b>2005</b> , 20, 297-304	1
1796	Effect of Zen Meditation on serum nitric oxide activity and lipid peroxidation. <b>2005</b> , 29, 327-31	44
1795	Endothelium-derived C-type natriuretic peptide: more than just a hyperpolarizing factor. <b>2005</b> , 26, 162-7	64
1794	Reactive oxygen species in the control of hypoxia-inducible factor-mediated gene expression. <b>2005</b> , 16, 474-86	228
1793	Effects of resveratrol in storage solution on adhesion molecule expression and nitric oxide synthesis in vein grafts. <b>2005</b> , 80, 1773-8	12

# (2006-2005)

1792	Lipid-independent effects of statins on endothelial function and bioavailability of nitric oxide in hypercholesterolemic patients. <b>2005</b> , 149, 473	110
1791	Evidence for a combined approach to the management of hypertension and dyslipidemia. <b>2005</b> , 18, 1249-57	20
1790	Detection of reactive oxygen species in isolated, perfused lungs by electron spin resonance spectroscopy. <b>2005</b> , 6, 86	27
1789	Poly(ADP-Ribose) Polymerase Activation and Nitrosative Stress in the Development of Cardiovascular Disease in Diabetes. <b>2005</b> , 167-190	
1788	Measurement of NO and Endothelial Function in Cardiovascular Research. 2005, 799-812	
1787	Role of poly(ADP-ribose) polymerase-1 activation in the pathogenesis of diabetic complications: endothelial dysfunction, as a common underlying theme. <b>2005</b> , 7, 1568-80	133
1786	Impact of microvascular complications on outcome after coronary stent implantations in patients with diabetes. <b>2005</b> , 45, 464-6	18
1785	Simvastatin improves endothelial function in patients with rheumatoid arthritis. 2005, 45, 461-4	82
1784	The tyrosine phosphatase, SHP-1, is a negative regulator of endothelial superoxide formation. <b>2005</b> , 45, 1700-6	44
1783	Atherothrombosis and high-risk plaque: part I: evolving concepts. <b>2005</b> , 46, 937-54	574
1782		
1/02	Selective inhibition of NADPH-oxidase isoforms as a therapeutic strategy in hypertension. <b>2005</b> , 2, 187-192	6
1781	Polar of poly(ADD riboso) polymorase activation in the pathogonoris of diabetes mollitus and its	76
,	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. <b>2005</b> , 52, 60-71	
1781	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. <b>2005</b> , 52, 60-71	76
1781 1780	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. 2005, 52, 60-71  Pleiotropic effects of statins. 2005, 45, 89-118  Clinical pharmacology of antihypertensive therapy. 2005, 25, 215-26	76 1303
1781 1780 1779	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. 2005, 52, 60-71  Pleiotropic effects of statins. 2005, 45, 89-118  Clinical pharmacology of antihypertensive therapy. 2005, 25, 215-26  Vascular nitric oxide and oxidative stress: determinants of endothelial adaptations to	76 1303 6
1781 1780 1779 1778	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. 2005, 52, 60-71  Pleiotropic effects of statins. 2005, 45, 89-118  Clinical pharmacology of antihypertensive therapy. 2005, 25, 215-26  Vascular nitric oxide and oxidative stress: determinants of endothelial adaptations to cardiovascular disease and to physical activity. 2005, 30, 442-74	76 1303 6 87
1781 1780 1779 1778	Roles of poly(ADP-ribose) polymerase activation in the pathogenesis of diabetes mellitus and its complications. 2005, 52, 60-71  Pleiotropic effects of statins. 2005, 45, 89-118  Clinical pharmacology of antihypertensive therapy. 2005, 25, 215-26  Vascular nitric oxide and oxidative stress: determinants of endothelial adaptations to cardiovascular disease and to physical activity. 2005, 30, 442-74  Physiology of penile erection and pathophysiology of erectile dysfunction. 2005, 32, 379-95, v  Roles of paraoxonase and oxidative stress in adolescents with uraemic, essential or obesity-induced	76 1303 6 87 352

1774	Present and future biochemical markers for detection of acute coronary syndrome. <b>2006</b> , 43, 427-95	14
1773	Antioxidants and Cardiovascular Disease. 2006,	3
1772	A computational model for free radicals transport in the microcirculation. <b>2006</b> , 8, 1103-11	26
1771	Pathogenesis of Atherosclerosis. <b>2006</b> , 49-85	
1770	Mechanisms of disease: oxidative stress and inflammation in the pathogenesis of hypertension. <b>2006</b> , 2, 582-93	290
1769	Biomarkers and potential mechanisms of obesity-induced oxidant stress in humans. 2006, 30, 400-18	493
1768	Endothelial function and cardiovascular disease: effects of quercetin and wine polyphenols. <b>2006</b> , 40, 1054-65	134
1767	Nitric oxide in hypertension. <b>2006</b> , 8, 17-29	193
1766	A common variant in the glutathione S transferase gene is associated with elevated markers of inflammation and lipid peroxidation in subjects with diabetes mellitus. <b>2006</b> , 184, 404-12	43
1765	Angiotensin II type 1 receptor blocker telmisartan suppresses superoxide production and reduces atherosclerotic lesion formation in apolipoprotein E-deficient mice. <b>2006</b> , 186, 402-10	103
1764	Heparin-released extracellular superoxide dismutase is reduced in patients with coronary artery atherosclerosis. <b>2006</b> , 187, 131-8	17
1763	Pyridoxine prevents dysfunction of endothelial cell nitric oxide production in response to low-density lipoprotein. <b>2006</b> , 188, 84-94	14
1762	The effect of hyperglycemia and its therapies on the heart. <b>2006</b> , 2, 61-70	1
1761	Reactive oxygen species cerebral autoregulation in health and disease. <b>2006</b> , 53, 1029-37, xi	18
1760	Allopurinol reduces neointimal hyperplasia in the carotid artery ligation model in spontaneously hypertensive rats. <b>2006</b> , 29, 915-21	29
1759	NADPH oxidases in cardiovascular health and disease. <b>2006</b> , 8, 691-728	499
1758	Is methylglyoxal a causative factor for hypertension development?. <b>2006</b> , 84, 129-39	39
1757	The endoplasmic reticulum: folding, calcium homeostasis, signaling, and redox control. <b>2006</b> , 8, 1391-418	480

1756	The Vascular Endothelium I. <b>2006</b> ,	11
1755	Women and ischemic heart disease: pathophysiologic implications from the Women's Ischemia Syndrome Evaluation (WISE) Study and future research steps. <b>2006</b> , 47, S66-71	61
1754	Increased activity of the ubiquitin-proteasome system in patients with symptomatic carotid disease is associated with enhanced inflammation and may destabilize the atherosclerotic plaque: effects of rosiglitazone treatment. <b>2006</b> , 47, 2444-55	77
1753	Effects of gliclazide beyond metabolic control. <b>2006</b> , 55, S10-5	9
1752	Covalent adduction of human serum albumin by 4-hydroxy-2-nonenal: kinetic analysis of competing alkylation reactions. <b>2006</b> , 45, 10521-8	69
1751	Uric acid restores endothelial function in patients with type 1 diabetes and regular smokers. <b>2006</b> , 55, 3127-32	162
1750	Calcium channel blocker azelnidipine reduces glucose intolerance in diabetic mice via different mechanism than angiotensin receptor blocker olmesartan. <b>2006</b> , 319, 1081-7	31
1749	Oxidative stress in the metabolic syndrome. <b>2006</b> , 29, 791-5	61
1748	N-ethylmaleimide-sensitive factor: a redox sensor in exocytosis. <b>2006</b> , 387, 1377-83	27
1747	Purine catabolism in advanced carotid artery plaque. <b>2006</b> , 25, 1291-4	7
1746	Hypercholesterolemia impairs the myocardial angiogenic response in a swine model of chronic ischemia: role of endostatin and oxidative stress. <b>2006</b> , 81, 634-41	62
1745	Free radicals in blood: evolving concepts in the mechanism of ischemic heart disease. <b>2006</b> , 450, 78-88	44
1744	Improvement of hypertension and vascular dysfunction by hydroxyhydroquinone-free coffee in a genetic model of hypertension. <b>2006</b> , 580, 2317-22	41
1743	Protective effect of ebselen on cytotoxicity induced by cholestane-3 beta, 5 alpha, 6 beta-triol in ECV-304 cells. <b>2006</b> , 1761, 350-9	17
1742	Novel Nox inhibitor of oxLDL-induced reactive oxygen species formation in human endothelial cells. <b>2006</b> , 344, 200-5	112
1741	Cardiovascular responses produced by central injection of hydrogen peroxide in conscious rats. <b>2006</b> , 71, 37-44	23
1740	Nitric oxide mechanisms in the pathogenesis of global risk. <b>2006</b> , 8, 31-8; quiz 40	25
1739	Aspects of nitric oxide in health and disease: a focus on hypertension and cardiovascular disease. <b>2006</b> , 8, 2-16	38

1738	Nitric oxide in the pathogenesis of cardiac disease. <b>2006</b> , 8, 30-9	30
1737	Fructose-induced peroxynitrite production is mediated by methylglyoxal in vascular smooth muscle cells. <b>2006</b> , 79, 2448-54	55
1736	Impact of coronary endothelial function on the progression of cardiac transplant-associated arteriosclerosis: effect of anti-oxidant vitamins C and E. <b>2006</b> , 25, 426-33	17
1735	High-fat diet-induced reduction in nitric oxide-dependent arteriolar dilation in rats: role of xanthine oxidase-derived superoxide anion. <b>2006</b> , 291, H2107-15	78
1734	Asymmetric dimethylarginine induces apoptosis via p38 MAPK/caspase-3-dependent signaling pathway in endothelial cells. <b>2006</b> , 40, 529-39	84
1733	Antiatherogenic effects of S-nitroso-N-acetylcysteine in hypercholesterolemic LDL receptor knockout mice. <b>2006</b> , 14, 12-20	32
1732	Mechanisms underlying dysfunction of carotid arteries in genetically hyperlipidemic rabbits. <b>2006</b> , 15, 241-51	10
1731	Nitric oxide and atherosclerosis: an update. <b>2006</b> , 15, 265-79	340
1730	Endothelial dysfunction and oxidative stress in arterial hypertension. <b>2006</b> , 16, 222-33	83
1729	Naphthazarin and methylnaphthazarin cause vascular dysfunction by impairment of endothelium-derived nitric oxide and increased superoxide anion generation. <b>2006</b> , 20, 43-51	9
1728	The Effect of Green Tea Polyphenol on Plasma Glucose, Lipid Levels and Antioxidant Systems in Type 2 Diabetic Patients. <b>2006</b> , 30, 217	1
1727	Activation of ETB receptors increases superoxide levels in sympathetic ganglia in vivo. <b>2006</b> , 290, R90-5	27
1726	Reactive oxygen species in vascular wall. <b>2006</b> , 6, 1-19	115
1725	Cyclo-oxygenase inhibition restores the attenuated vasodilation in manganese-deficient rat aorta. <b>2006</b> , 136, 2302-7	2
1724	Effects of anthocyanidin derivative (HK-008) on relaxation in rat perfused mesenterial bed. <b>2006</b> , 42, 75-88	7
1723	Oxidative Stress. <b>2006</b> , 23-36	
1722	Why is the Inhibition of the Renin-Angiotensin System Effective for Preventing Cardiac Events in Patients with Coronary Risk Factors or Coronary Artery Disease?. <b>2006</b> , 2, 293-316	
1721	Endothelial influences on cerebrovascular tone. <b>2006</b> , 100, 318-27	192

1720	Rationale and impact of vitamin C in clinical nutrition. <b>2006</b> , 9, 697-703	69
1719	Chlorogenic acid attenuates hypertension and improves endothelial function in spontaneously hypertensive rats. <b>2006</b> , 24, 1065-73	154
1718	Oxidative stress-associated vascular aging is xanthine oxidase-dependent but not NAD(P)H oxidase-dependent. <b>2006</b> , 48, 88-94	41
1717	Monounsaturated fatty acids, olive oil and blood pressure: epidemiological, clinical and experimental evidence. <b>2006</b> , 9, 251-7	82
1716	Controlling oxidative stress as a novel molecular approach to protecting the vascular wall in diabetes. <b>2006</b> , 17, 510-8	52
1715	The many antithrombotic actions of nitric oxide. <b>2006</b> , 7, 1243-51	27
1714	Pathophysiological regulation of the AT1-receptor and implications for vascular disease. <b>2006</b> , 24, S15-21	93
1713	The C242T CYBA polymorphism of NADPH oxidase is associated with essential hypertension. <b>2006</b> , 24, 1299-306	75
1712	Crocetin attenuates atherosclerosis in hyperlipidemic rabbits through inhibition of LDL oxidation. <b>2006</b> , 47, 70-6	47
1711	Quercetin downregulates NADPH oxidase, increases eNOS activity and prevents endothelial dysfunction in spontaneously hypertensive rats. <b>2006</b> , 24, 75-84	212
1710	Targeting reactive oxygen species in hypertension. <b>2006</b> , 15, 179-86	65
1709	[Pathophysiological significance of RAS in formation of arteriosclerosis]. <b>2006</b> , 95, 1762-8	
1708	Scintigraphic imaging of endothelium-dependent vasodilation in the forearm: a preliminary report. <b>2006</b> , 70, 311-5	8
1707	Proteomic profiling and identification of cofilin responding to oxidative stress in vascular smooth muscle. <b>2006</b> , 6, 6455-75	57
1706	A proteomic approach for the characterization of C677T mutation of the human gene methylenetetrahydrofolate reductase. <b>2006</b> , 6, 5350-61	6
1705	Coxibs, non-steroidal anti-inflammatory drugs and cardiovascular risk. <b>2006</b> , 36, 308-19	30
1704	The emerging role of flavonoid-rich cocoa and chocolate in cardiovascular health and disease. <b>2006</b> , 64, 109-18	122
1703	Atherosclerosis and Cancer. <b>2006</b> , 947, 271-293	130

1702	Saga of renin-angiotensin system and calcium channels in hypertensive diabetics: does it have a therapeutic edge?. <b>2005</b> , 23, 99-114	5
1701	Endothelial mechanotransduction, nitric oxide and vascular inflammation. <b>2006</b> , 259, 351-63	231
1700	Uric acid and xanthine oxidase: future therapeutic targets in the prevention of cardiovascular disease?. <b>2006</b> , 62, 633-44	130
1699	The discovery of nitric oxide and its role in vascular biology. <b>2006</b> , 147 Suppl 1, S193-201	573
1698	Impaired small-conductance Ca2+-activated K+ channel-dependent EDHF responses in Type II diabetic ZDF rats. <b>2006</b> , 148, 434-41	62
1697	Role of reactive oxygen species and gp91phox in endothelial dysfunction of pulmonary arteries induced by chronic hypoxia. <b>2006</b> , 148, 714-23	112
1696	Reciprocal regulation of human soluble and particulate guanylate cyclases in vivo. 2006, 149, 797-801	22
1695	Correction of nitrergic neurovascular dysfunction in diabetic mouse corpus cavernosum by p38 mitogen-activated protein kinase inhibition. <b>2006</b> , 18, 258-63	21
1694	Nitric oxide and cell adhesion molecules in essential hypertension: a case control study. <b>2006</b> , 20, 537-9	8
1693	Arterial stiffness and enlargement in mild-to-moderate chronic kidney disease. <b>2006</b> , 69, 350-7	244
	Arterial stiffness and enlargement in mild-to-moderate chronic kidney disease. <b>2006</b> , 69, 350-7  Novel aspects of endothelium-dependent regulation of vascular tone. <b>2006</b> , 70, 840-53	<sup>244</sup> 76
1692	Novel aspects of endothelium-dependent regulation of vascular tone. <b>2006</b> , 70, 840-53  Assessment of BNP and NT-proBNP in emergency department patients presenting with suspected	76
1692 1691 1690	Novel aspects of endothelium-dependent regulation of vascular tone. <b>2006</b> , 70, 840-53  Assessment of BNP and NT-proBNP in emergency department patients presenting with suspected acute coronary syndromes. <b>2006</b> , 39, 11-8  Antioxidant activity of beta-blockers: an effect mediated by scavenging reactive oxygen and	76 14
1692 1691 1690	Novel aspects of endothelium-dependent regulation of vascular tone. <b>2006</b> , 70, 840-53  Assessment of BNP and NT-proBNP in emergency department patients presenting with suspected acute coronary syndromes. <b>2006</b> , 39, 11-8  Antioxidant activity of beta-blockers: an effect mediated by scavenging reactive oxygen and nitrogen species?. <b>2006</b> , 14, 4568-77	76 14 67
1692 1691 1690	Novel aspects of endothelium-dependent regulation of vascular tone. 2006, 70, 840-53  Assessment of BNP and NT-proBNP in emergency department patients presenting with suspected acute coronary syndromes. 2006, 39, 11-8  Antioxidant activity of beta-blockers: an effect mediated by scavenging reactive oxygen and nitrogen species?. 2006, 14, 4568-77  The role of virgin olive oil components in the modulation of endothelial function. 2006, 17, 429-45  Differential upregulation of Nox homologues of NADPH oxidase by tumor necrosis factor-alpha in	76 14 67 214
1692 1691 1690 1689	Novel aspects of endothelium-dependent regulation of vascular tone. 2006, 70, 840-53  Assessment of BNP and NT-proBNP in emergency department patients presenting with suspected acute coronary syndromes. 2006, 39, 11-8  Antioxidant activity of beta-blockers: an effect mediated by scavenging reactive oxygen and nitrogen species?. 2006, 14, 4568-77  The role of virgin olive oil components in the modulation of endothelial function. 2006, 17, 429-45  Differential upregulation of Nox homologues of NADPH oxidase by tumor necrosis factor-alpha in human aortic smooth muscle and embryonic kidney cells. 2006, 10, 231-9  Metabolic syndrome manifestations in classic congenital adrenal hyperplasia: do they predispose to	76 14 67 214 85

# (2006-2006)

1684	Upregulation of immunoproteasomes by nitric oxide: potential antioxidative mechanism in endothelial cells. <b>2006</b> , 40, 1034-44	71
1683	A novel function of phosphate-mediated intracellular signal transduction pathways. <b>2006</b> , 46, 154-61	15
1682	Correlation between inflammation and oxidative stress in normocholesterolemic coronary artery disease patients 'on' and 'off' atorvastatin for short time intervals. <b>2006</b> , 20, 37-44	16
1681	Different pathomechanisms of essential and obesity-associated hypertension in adolescents. <b>2006</b> , 21, 1419-25	17
1680	Antioxidants and endothelial nitric oxide synthesis. <b>2006</b> , 62, 21-28	35
1679	Oxidant stress major cause of reduced endothelial nitric oxide availability in cardiovascular disease. <b>2006</b> , 62, 13-19	78
1678	Empfehlungen zur Diagnostik und Behandlung von Patienten mit koronarer Herzkrankheit und Niereninsuffizienz. <b>2006</b> , 1, 8-30	3
1677	Empfehlungen zur Diagnostik und Behandlung von Patienten mit koronarer Herzkrankheit und Niereninsuffizienz. <b>2006</b> , 1, 103-117	1
1676	Intracranial atherosclerotic stroke: specific focus on the metabolic syndrome and inflammation. <b>2006</b> , 8, 330-6	19
1675	Inhibition of the renin angiotensin system: implications for the endothelium. <b>2006</b> , 6, 274-8	29
1674	The metabolic syndrome and endothelial dysfunction: common highway to type 2 diabetes and CVD. <b>2006</b> , 6, 279-86	43
1673	Anti-ischemic effects of nimesulide, a cyclooxygenase-2 inhibitor on the ischemic model of rabbit induced by isoproterenol. <b>2006</b> , 29, 977-83	10
1672	Lysophosphatidylcholine-induced elevation of asymmetric dimethylarginine level by the NADPH oxidase pathway in endothelial cells. <b>2006</b> , 44, 143-8	98
1671	The role of oxidant stress in angiotensin II-mediated contraction of human resistance arteries in the state of health and the presence of cardiovascular disease. <b>2006</b> , 45, 395-9	7
1670	Oxidative and nitrosative stress in pediatric pulmonary hypertension: roles of endothelin-1 and nitric oxide. <b>2006</b> , 45, 308-16	29
1669	Testing endothelial function of brachial and cavernous arteries in patients with erectile dysfunction. <b>2006</b> , 3, 323-30; discussion 330, author reply 330	28
1668	Plasma nitrite concentrations reflect the degree of endothelial dysfunction in humans. <b>2006</b> , 40, 295-302	292
1667	Glutathione depletion in vivo enhances contraction and attenuates endothelium-dependent relaxation of isolated rat aorta. <b>2006</b> , 40, 670-8	23

1666	Mechanisms of H2O2-induced oxidative stress in endothelial cells. <b>2006</b> , 40, 2206-13	97
1665	Early determinants of H2O2-induced endothelial dysfunction. <b>2006</b> , 41, 810-7	49
1664	Apocynin normalizes hyperreactivity to phenylephrine in mesenteric arteries from cholesterol-fed mice by improving endothelium-derived hyperpolarizing factor response. <b>2006</b> , 41, 1289-303	36
1663	Resveratrol affords protection against peroxynitrite-mediated endothelial cell death: A role for intracellular glutathione. <b>2006</b> , 164, 157-66	39
1662	Increased NADPH oxidase activity mediates spontaneous aortic tone in genetically hypertensive rats. <b>2006</b> , 544, 97-103	50
1661	Oxidative stress at the vascular wall. Mechanistic and pharmacological aspects. <b>2006</b> , 37, 436-48	35
1660	ACE2: A novel therapeutic target for cardiovascular diseases. <b>2006</b> , 91, 163-98	70
1659	Exercise and the coronary circulation-alterations and adaptations in coronary artery disease. <b>2006</b> , 48, 270-84	59
1658	Mechanisms of target organ damage caused by hypertension: therapeutic potential. 2006, 111, 81-98	103
1657	Novel isoforms of NADPH-oxidase in cerebral vascular control. <b>2006</b> , 111, 928-48	96
1656	Endothelial dysfunction in rat adjuvant-induced arthritis: vascular superoxide production by NAD(P)H oxidase and uncoupled endothelial nitric oxide synthase. <b>2006</b> , 54, 1847-55	68
1655	Metformin delays the manifestation of diabetes and vascular dysfunction in Goto-Kakizaki rats by reduction of mitochondrial oxidative stress. <b>2006</b> , 22, 323-30	72
1654	Role of probucol on endothelial dysfunction of epicardial coronary arteries associated with left ventricular hypertrophy. <b>2006</b> , 47, 702-10	18
1653	Novel anti-inflammatory drugs in hypertension. <b>2006</b> , 21, 859-64	8
1652	Antioxidant and nitric oxide-sparing actions of dihydropyridines and ACE inhibitors differ in human endothelial cells. <b>2006</b> , 76, 8-18	15
1651	Local food and cardioprotection: the role of phytochemicals. <b>2006</b> , 59, 116-129	12
1650	Antioxidants in the Mediterranean diets: An update. <b>2007</b> , 97, 162-179	11
1649	Relationship between serum albumin level before initiating haemodialysis and angiographic severity of coronary atherosclerosis in end-stage renal disease patients. <b>2006</b> , 21, 1633-9	32

## (2006-2006)

1648	Activation of endothelial nitric oxide synthase by the angiotensin II type 1 receptor. <b>2006</b> , 147, 5914-20	44
1647	Edaravone (3-methyl-1-phenyl-2-pyrazolin-5-one), a novel free radical scavenger, for treatment of cardiovascular diseases. <b>2006</b> , 1, 85-93	107
1646	Oxidative-stress-mediated arterial dysfunction in patients with peripheral arterial disease. <b>2007</b> , 28, 608-12	89
1645	Inhaled nitric oxide induced NOS inhibition and rebound pulmonary hypertension: a role for superoxide and peroxynitrite in the intact lamb. <b>2006</b> , 290, L359-66	40
1644	Endothelial cellular senescence is inhibited by nitric oxide: implications in atherosclerosis associated with menopause and diabetes. <b>2006</b> , 103, 17018-23	155
1643	Current understanding of the mechanism and role of ROS in angiotensin II signal transduction. <b>2006</b> , 7, 81-6	15
1642	Oxidative stress, endothelial function and angiogenesis induced by cell therapy and gene therapy. <b>2006</b> , 7, 109-16	15
1641	Cardiovascular disease could be contained based on currently available data!. 2006, 4, 225-54	2
1640	Pollutant particles enhanced H2O2 production from NAD(P)H oxidase and mitochondria in human pulmonary artery endothelial cells. <b>2006</b> , 291, C357-65	61
1639	Facing up the ROS labyrinthWhere to go?. <b>2006</b> , 4, 277-89	11
1639 1638	Facing up the ROS labyrinthWhere to go?. 2006, 4, 277-89  Redox signaling in hypertension. 2006, 71, 247-58	11 416
1638	Redox signaling in hypertension. <b>2006</b> , 71, 247-58  Exaggerated vasomotor response to ANG II in rats with fetal programming of hypertension	416
1638 1637	Redox signaling in hypertension. <b>2006</b> , 71, 247-58  Exaggerated vasomotor response to ANG II in rats with fetal programming of hypertension associated with exposure to a low-protein diet during gestation. <b>2006</b> , 291, R1060-8	416 47
1638 1637 1636	Redox signaling in hypertension. 2006, 71, 247-58  Exaggerated vasomotor response to ANG II in rats with fetal programming of hypertension associated with exposure to a low-protein diet during gestation. 2006, 291, R1060-8  Is hypertension an inflammatory process?. 2006, 12, 1623-35  Angiotensin II regulates vascular and endothelial dysfunction: recent topics of Angiotensin II type-1	416 47 123
1638 1637 1636	Redox signaling in hypertension. 2006, 71, 247-58  Exaggerated vasomotor response to ANG II in rats with fetal programming of hypertension associated with exposure to a low-protein diet during gestation. 2006, 291, R1060-8  Is hypertension an inflammatory process?. 2006, 12, 1623-35  Angiotensin II regulates vascular and endothelial dysfunction: recent topics of Angiotensin II type-1 receptor signaling in the vasculature. 2006, 4, 67-78  Radicals spark interest in cerebral vasodilator mechanisms. Focus on "TNF-alpha dilates cerebral	416 47 123
1638 1637 1636 1635	Redox signaling in hypertension. 2006, 71, 247-58  Exaggerated vasomotor response to ANG II in rats with fetal programming of hypertension associated with exposure to a low-protein diet during gestation. 2006, 291, R1060-8  Is hypertension an inflammatory process?. 2006, 12, 1623-35  Angiotensin II regulates vascular and endothelial dysfunction: recent topics of Angiotensin II type-1 receptor signaling in the vasculature. 2006, 4, 67-78  Radicals spark interest in cerebral vasodilator mechanisms. Focus on "TNF-alpha dilates cerebral arteries via NAD(P)H oxidase-dependent Ca2+ spark activation". 2006, 290, C950-1  Increased oxidative stress in lambs with increased pulmonary blood flow and pulmonary	416 47 123 110

1630	Nox2 is determinant for ischemia-induced oxidative stress and arterial vasodilatation: a pilot study in patients with hereditary Nox2 deficiency. <b>2006</b> , 26, e131-2	27
1629	Increased plasma markers of oxidative stress are associated with coronary heart disease in males with diabetes mellitus and with 10-year risk in a prospective sample of males. <b>2006</b> , 52, 446-52	80
1628	Angiotensin II induces premature senescence of vascular smooth muscle cells and accelerates the development of atherosclerosis via a p21-dependent pathway. <b>2006</b> , 114, 953-60	217
1627	Adventures in vascular biology: a tale of two mediators. <b>2006</b> , 361, 735-59	73
1626	Proteomics-based development of biomarkers in cardiovascular disease: mechanistic, clinical, and therapeutic insights. <b>2006</b> , 5, 1853-64	68
1625	Acute injury with intravenous iron and concerns regarding long-term safety. <b>2006</b> , 1 Suppl 1, S19-23	69
1624	Endothelial Protection, AT1 blockade and Cholesterol-Dependent Oxidative Stress: the EPAS trial. <b>2006</b> , 114, I296-301	64
1623	Bone morphogenic protein-4 induces hypertension in mice: role of noggin, vascular NADPH oxidases, and impaired vasorelaxation. <b>2006</b> , 113, 2818-25	107
1622	Nitric oxide regulates mitochondrial oxidative stress protection via the transcriptional coactivator PGC-1alpha. <b>2006</b> , 20, 1889-91	123
1621	Enhanced superoxide activity modulates renal function in NO-deficient hypertensive rats. <b>2006</b> , 47, 568-72	40
1620	The range of adaptation by collateral vessels after femoral artery occlusion. <i>Circulation Research</i> , <b>2006</b> , 99, 656-62	172
1619	Elevated blood pressure in adolescent boys predicts endothelial dysfunction: the cardiovascular risk in young Finns study. <b>2006</b> , 48, 424-30	80
1618	Lipid rafts mediate H2O2 prosurvival effects in cultured endothelial cells. <b>2006</b> , 20, 1501-3	108
1617	Hypercholesterolemia reduces collateral artery growth more dominantly than hyperglycemia or insulin resistance in mice. <b>2006</b> , 26, 1383-90	55
1616	Novel Nox inhibitor VAS2870 attenuates PDGF-dependent smooth muscle cell chemotaxis, but not proliferation. <b>2006</b> , 71, 331-41	208
1615	The role of bradykinin B1 receptor on cardiac remodeling in stroke-prone spontaneously hypertensive rats (SHR-SP). <b>2006</b> , 387, 203-9	10
1614	Angiotensin II infusion alters vascular function in mouse resistance vessels: roles of O and endothelium. <b>2006</b> , 43, 109-19	35
1613	Pleiotropic effects of hydrogen peroxide in arteries and veins from normotensive and hypertensive rats. <b>2006</b> , 47, 482-7	34

## (2007-2006)

1612	Stat3 mediates interleukin-6 [correction of interelukin-6] inhibition of human endothelial nitric-oxide synthase expression. <b>2006</b> , 281, 30057-62	59
1611	Clinical and Pre-clinical Applications of the Transcendental Meditation Program in the Prevention and Treatment of Essential Hypertension and Cardiovascular Disease in Youth and Adults. <b>2006</b> , 2, 207-218	14
1610	Homocysteine-induced endothelin-1 release is dependent on hyperglycaemia and reactive oxygen species production in bovine aortic endothelial cells. <b>2006</b> , 43, 175-83	27
1609	C-reactive protein alters antioxidant defenses and promotes apoptosis in endothelial progenitor cells. <b>2006</b> , 26, 2476-82	109
1608	Comorbid LUTS and erectile dysfunction: optimizing their management. <b>2006</b> , 22, 2497-506	17
1607	Microvascular responses to hypercholesterolemia: the interactions between innate and adaptive immune responses. <b>2006</b> , 8, 1141-51	24
1606	Improvement of endothelial function by systemic transfusion of vascular progenitor cells.  Circulation Research, 2006, 99, e74-83	151
1605	Nitric oxide and the vascular endothelium. <b>2006</b> , 213-54	243
1604	Addition of milk prevents vascular protective effects of tea. <b>2007</b> , 28, 219-23	119
1603	Reactive oxygen species in the cerebral circulation: are they all bad?. <b>2006</b> , 8, 1113-20	42
1602	Increased superoxide anion production by interleukin-1beta impairs nitric oxide-mediated relaxation in resistance arteries. <b>2006</b> , 316, 42-52	60
1601	Impaired angiogenesis in glutathione peroxidase-1-deficient mice is associated with endothelial progenitor cell dysfunction. <i>Circulation Research</i> , <b>2006</b> , 98, 254-61	133
1600	Nanotechnology 「Toxicological Issues and Environmental Safety and Environmental Safety. 2007,	7
1599	Cardiovascular roles of nitric oxide: a review of insights from nitric oxide synthase gene disrupted mice. <b>2008</b> , 77, 19-29	181
1598	Hydrogen peroxide causes cardiac dysfunction independent from its effects on matrix metalloproteinase-2 activation. <b>2007</b> , 85, 341-8	8
1597	AGI-1067, a novel vascular protectant, anti-inflammatory drug and mild antiplatelet agent for treatment of atherosclerosis. <b>2007</b> , 5, 635-41	4
1596	Implications of early structural-functional changes in the endothelium for vascular disease. <b>2007</b> , 27, 266-74	185
1595	17beta-estradiol antagonizes the down-regulation of endothelial nitric-oxide synthase and GTP cyclohydrolase I by high glucose: relevance to postmenopausal diabetic cardiovascular disease. <b>2007</b> , 320, 591-8	40

1594	Vascular cytochrome P450 4A expression and 20-hydroxyeicosatetraenoic acid synthesis contribute to endothelial dysfunction in androgen-induced hypertension. <b>2007</b> , 50, 123-9	121
1593	Roundtable Discussion Groups Summary Papers: New Bioindicators for Mercury Toxicological Assessment: Recommendations from the First International Bioindicators Roundtable. <b>2007</b> , 2, 183-207	3
1592	High-density lipoprotein protects macrophages from oxidized low-density lipoprotein-induced apoptosis by promoting efflux of 7-ketocholesterol via ABCG1. <b>2007</b> , 104, 15093-8	215
1591	Poly(ADP-Ribose) polymerase inhibition improves endothelial dysfunction induced by hypochlorite. <b>2007</b> , 232, 1204-12	22
1590	Nitric oxide and peroxynitrite in health and disease. <b>2007</b> , 87, 315-424	4407
1589	Hypoxia divergently regulates production of reactive oxygen species in human pulmonary and coronary artery smooth muscle cells. <b>2007</b> , 293, L952-9	51
1588	Cystathionine-beta-synthase gene transfer and 3-deazaadenosine ameliorate inflammatory response in endothelial cells. <b>2007</b> , 293, C1779-87	35
1587	C-reactive protein and hypertension: is there a causal relationship?. <b>2007</b> , 13, 1693-8	27
1586	CaM Kinase II-dependent pathophysiological signalling in endothelial cells. 2008, 77, 30-4	70
1585	Impaired myocardial perfusion reserve in experimental hypercholesterolemia is independent of myocardial neovascularization. <b>2007</b> , 292, H2449-58	10
1584	Hydrogen peroxide induces S1P1 receptors and sensitizes vascular endothelial cells to sphingosine 1-phosphate, a platelet-derived lipid mediator. <b>2007</b> , 292, C740-8	32
1583	Restoring the dysfunctional endothelium. <b>2007</b> , 13, 1053-68	33
1582	Hydrogen peroxide mediates a transient vasorelaxation with tempol during oxidative stress. <b>2007</b> , 293, H2085-92	38
1581	Nanotoxicology. 2007,	43
1580	Chronic proteasome inhibition contributes to coronary atherosclerosis. <i>Circulation Research</i> , <b>2007</b> , 101, 865-74	89
1579	Effect of homocysteine on nitric oxide production in coronary microvascular endothelial cells. <b>2007</b> , 14, 157-61	12
1578	Hypercholesterolemia increases myocardial oxidative and nitrosative stress thereby leading to cardiac dysfunction in apoB-100 transgenic mice. <b>2007</b> , 76, 100-9	83
1577	Uric acid reduction: a new paradigm in the management of cardiovascular risk?. <b>2007</b> , 14, 1879-86	51

1576	Vasomotor control in mice overexpressing human endothelial nitric oxide synthase. <b>2007</b> , 293, H1144-53	12
1575	Role of angiotensin II in endothelial dysfunction induced by lipopolysaccharide in mice. <b>2007</b> , 293, H3726-31	66
1574	Role of lysophosphatidylcholine (LPC) in atherosclerosis. <b>2007</b> , 14, 3209-20	233
1573	Modulation of ion channels in pulmonary arterial hypertension. <b>2007</b> , 13, 2443-55	38
1572	Differences in arterial compliance, microvascular function and venous capacitance between patients with heart failure and either preserved or reduced left ventricular systolic function. <b>2007</b> , 9, 865-71	53
1571	Modification of HDL3 by mild oxidative stress increases ATP-binding cassette transporter 1-mediated cholesterol efflux. <b>2007</b> , 75, 566-74	15
1570	Red wine consumption and prevention of atherosclerosis: an in vitro model using human peripheral blood mononuclear cells. <b>2007</b> , 13, 3718-25	27
1569	Hydroxyl radical mediates the augmented angiotensin II responses in thoracic aorta of spontaneously hypertensive rats. <b>2007</b> , 79, 122-8	7
1568	Age-related increase in xanthine oxidase activity in human plasma and rat tissues. <b>2007</b> , 41, 1195-200	49
1567	Vitamin C prevents zidovudine-induced NAD(P)H oxidase activation and hypertension in the rat. <b>2007</b> , 73, 432-8	36
1566	Mechanisms of Disease: endothelial dysfunction in insulin resistance and diabetes. 2007, 3, 46-56	332
1565	High glucose impairs early and late endothelial progenitor cells by modifying nitric oxide-related but not oxidative stress-mediated mechanisms. <b>2007</b> , 56, 1559-68	264
1564	Systemic consequences of COPD. <b>2007</b> , 1, 47-59	18
1563	Induction of heme oxygenase-1 in vivo suppresses NADPH oxidase derived oxidative stress. <b>2007</b> , 50, 636-42	159
1562	Endothelial Nox2 overexpression potentiates vascular oxidative stress and hemodynamic response to angiotensin II: studies in endothelial-targeted Nox2 transgenic mice. <i>Circulation Research</i> , <b>2007</b> , 100, 1016-25	117
1561	Adiponectin improves endothelial function in hyperlipidemic rats by reducing oxidative/nitrative stress and differential regulation of eNOS/iNOS activity. <b>2007</b> , 293, E1703-8	133
1560	Nutrition and cardiovascular disease. <b>2007</b> , 27, 2499-506	65
1559	Role of oxidants and antioxidants in atherosclerosis: results of in vitro and in vivo investigations. <b>2007</b> , 12, 265-82	47

1558	The effects of Toradol on postoperative intimal hyperplasia in a rat carotid endarterectomy model: laboratory research. <b>2007</b> , 41, 402-8		4
1557	Hypoxia-dependent regulation of nonphagocytic NADPH oxidase subunit NOX4 in the pulmonary vasculature. <i>Circulation Research</i> , <b>2007</b> , 101, 258-67	15.7	279
1556	Role of oral iron in the management of long-term hemodialysis patients. <b>2007</b> , 2, 688-93		16
1555	Myocardial ischemia results in tetrahydrobiopterin (BH4) oxidation with impaired endothelial function ameliorated by BH4. <b>2007</b> , 104, 15081-6		157
1554	Proteasome-dependent degradation of guanosine 5'-triphosphate cyclohydrolase I causes tetrahydrobiopterin deficiency in diabetes mellitus. <b>2007</b> , 116, 944-53		146
1553	Angiotensin II induces endothelial xanthine oxidase activation: role for endothelial dysfunction in patients with coronary disease. <b>2007</b> , 27, 943-8		177
1552	Novel nitric oxide synthasedependent mechanism of vasorelaxation in small arteries from hypertensive rats. <b>2007</b> , 49, 893-901		38
1551	Attenuation of angiotensin II signaling recouples eNOS and inhibits nonendothelial NOX activity in diabetic mice. <b>2007</b> , 56, 118-26		126
1550	Reactive oxygen species and erectile dysfunction: possible role of NADPH oxidase. <b>2007</b> , 19, 265-80		56
1549	Superoxide and derived reactive oxygen species in the regulation of hypoxia-inducible factors. <b>2007</b> , 435, 421-46		62
1548	Mechanisms of oxidative stress-induced increase in salt sensitivity and development of hypertension in Sprague-Dawley rats. <b>2007</b> , 49, 664-71		49
1547	Statin treatment and 3' polyadenylation of eNOS mRNA. <b>2007</b> , 27, 2642-9		57
1546	A1166C polymorphism of the angiotensin AT1 receptor (AT1R) gene alters endothelial response to statin treatment. <b>2007</b> , 45, 839-42		7
1545	C-588T polymorphism of the human glutamate-cysteine ligase modifier subunit gene is not associated with the risk and extent of ischemic heart disease in a German cohort. <b>2007</b> , 45, 1416-8		3
1544	Chronic treatment with tetrahydrobiopterin reverses endothelial dysfunction and oxidative stress in hypercholesterolaemia. <b>2008</b> , 94, 487-92		105
1543	The CX3C chemokine fractalkine induces vascular dysfunction by generation of superoxide anions. <b>2007</b> , 27, 55-62		28
1542	Repetition of ischemic preconditioning augments endothelium-dependent vasodilation in humans: role of endothelium-derived nitric oxide and endothelial progenitor cells. <b>2007</b> , 27, 1403-10		95
1541	Smoking is associated with epicardial coronary endothelial dysfunction and elevated white blood cell count in patients with chest pain and early coronary artery disease. <b>2007</b> , 115, 2621-7		101

1540	Inhibition of Rac1-derived reactive oxygen species in nucleus tractus solitarius decreases blood pressure and heart rate in stroke-prone spontaneously hypertensive rats. <b>2007</b> , 50, 62-8	66
1539	Losartan reduces the increased participation of cyclooxygenase-2-derived products in vascular responses of hypertensive rats. <b>2007</b> , 321, 381-8	60
1538	[Vascular endothelium dysfunction as the first phase of arteriosclerosis]. 2007, 96, 1717-23	
1537	Antenatal antioxidant prevents adult hypertension, vascular dysfunction, and microvascular rarefaction associated with in utero exposure to a low-protein diet. <b>2007</b> , 292, R1236-45	127
1536	Association of mitochondrial SOD deficiency with salt-sensitive hypertension and accelerated renal senescence. <b>2007</b> , 102, 255-60	87
1535	Platelet-derived exosomes induce endothelial cell apoptosis through peroxynitrite generation: experimental evidence for a novel mechanism of septic vascular dysfunction. <b>2007</b> , 11, R107	118
1534	Protective mechanism of adenosine to the rat arterial endothelial dysfunction induced by hydrogen peroxide. <b>2007</b> , 30, 1206-11	9
1533	Antioxidant and vascular protective activities of Cratoxylum formosum, Syzygium gratum and Limnophila aromatica. <b>2007</b> , 30, 661-6	37
1532	Aldose reductase and advanced glycation endproducts inhibitory effect of Phyllostachys nigra. <b>2007</b> , 30, 1569-72	50
1531	Chronic administration of genistein improves endothelial dysfunction in spontaneously hypertensive rats: involvement of eNOS, caveolin and calmodulin expression and NADPH oxidase activity. <b>2007</b> , 112, 183-91	64
1530	Angiotensin II signal transduction through the AT1 receptor: novel insights into mechanisms and pathophysiology. <b>2007</b> , 112, 417-28	319
1529	Mechanisms for the role of tetrahydrobiopterin in endothelial function and vascular disease. <b>2007</b> , 113, 47-63	149
1528	Genistein restores caveolin-1 and AT-1 receptor expression and vascular function in large vessels of ovariectomized hypertensive rats. <b>2007</b> , 14, 933-40	19
1527	CYBA C242T gene polymorphism and flow-mediated vasodilation in a population of young adults: the Cardiovascular Risk in Young Finns Study. <b>2007</b> , 25, 1381-7	13
1526	Antioxidant activity of carvedilol in cardiovascular disease. <b>2007</b> , 25, 731-41	102
1525	Endothelial dysfunction through genetic deletion or inhibition of the G protein-coupled receptor Mas: a new target to improve endothelial function. <b>2007</b> , 25, 2421-5	64
1524	Redox state, oxidative stress and endothelial dysfunction in heart failure: the puzzle of nitrate-thiol interaction. <b>2007</b> , 8, 765-74	26
1523	Low-density lipoprotein reduction by simvastatin is accompanied by angiotensin II type 1 receptor downregulation, reduced oxidative stress, and improved endothelial function in patients with stable coronary artery disease. <b>2007</b> , 18, 201-9	7

1522	BiDil (isosorbide dinitrate and hydralazine): a new fixed-dose combination of two older medications for the treatment of heart failure in black patients. <b>2007</b> , 15, 46-53	12
1521	Small artery elasticity assessed by pulse wave analysis is no measure of endothelial dysfunction. <b>2007</b> , 25, 571-6	12
1520	A novel CYBA variant, the -675A/T polymorphism, is associated with essential hypertension. <b>2007</b> , 25, 1620-6	31
1519	Statins and perioperative myocardial infarction. Mechanisms of action. <b>2007</b> , 13, 33-43	
1518	Statins and perioperative myocardial infarction. <b>2007</b> , 13, 15-20	1
1517	Resveratrol attenuates oxLDL-stimulated NADPH oxidase activity and protects endothelial cells from oxidative functional damages. <b>2007</b> , 102, 1520-7	87
1516	The value of clinical wisdom in randomised studies, real-world registries and new hypotheses. <b>2007</b> , 8, 313-7	1
1515	Peroxynitrite is Involved in the dysfunction of vasorelaxation in SHR/NDmcr-cp rats, spontaneously hypertensive obese rats. <b>2007</b> , 50, 677-85	34
1514	Antioxidant therapy in critical careis the microcirculation the primary target?. <b>2007</b> , 35, S577-83	79
1513	Xanthine oxidase-derived extracellular superoxide anions stimulate activator protein 1 activity and hypertrophy in human vascular smooth muscle via c-Jun N-terminal kinase and p38 mitogen-activated protein kinases. <b>2007</b> , 25, 609-18	21
1512	Race-based therapeutics: a discussion surrounding heart failure trials. <b>2007</b> , 20, 24-8	1
1511	Mechanisms of H2O2-induced oxidative stress in endothelial cells exposed to physiologic shear stress. <b>2007</b> , 53, 17-22	39
1510	The endoplasmic reticulum and the unfolded protein response. 2007, 18, 716-31	758
1509	Preconditioning protects endothelium by preventing ET-1-induced activation of NADPH oxidase and xanthine oxidase in post-ischemic heart. <b>2007</b> , 42, 400-10	39
1508	Targeted and persistent effects of NO mediated by S-nitrosation of tissue thiols in arteries with endothelial dysfunction. <b>2007</b> , 17, 1-9	4
1507	Protective effects of quercetin against phenylhydrazine-induced vascular dysfunction and oxidative stress in rats. <b>2007</b> , 45, 448-55	69
1506	Differential regulation of the superoxide dismutase family in experimental aortic aneurysms and rat aortic explants. <b>2007</b> , 138, 156-62	14
1505	Different profile of antioxidative capacity results in pulmonary dysfunction and amplified inflammatory response After CABG surgery. <b>2007</b> , 139, 136-42	8

1504	Potential role of antioxidants in the treatment of portal hypertension. <b>2007</b> , 46, 193-7	24
1503	High-dose folate may improve platelet function in acute coronary syndrome and other pathologies associated with increased platelet oxidative stress. <b>2007</b> , 69, 12-9	7
1502	Mediators of CD18/P-selectin-dependent constriction of venule-paired arterioles in hypercholesterolemia. <b>2007</b> , 73, 150-5	7
1501	Effects of nitric oxide synthase inhibition and L-arginine on renal haemodynamics in young patients at high cardiovascular risk. <b>2007</b> , 192, 155-60	5
1500	Hydrogen peroxide induces nitric oxide and proteosome activity in endothelial cells: a bell-shaped signaling response. <b>2007</b> , 42, 1049-61	75
1499	Role of nitric oxide deficiency and its detection as a risk factor in pre-hypertension. <b>2007</b> , 1, 45-55	32
1498	Oxidative stress and hypertension. <b>2007</b> , 1, 30-44	90
1497	Accelerated endothelial dysfunction in mild prediabetic insulin resistance: the early role of reactive oxygen species. <b>2007</b> , 293, E1311-9	62
1496	Homocysteine and glutathione peroxidase-1. <b>2007</b> , 9, 1923-40	42
1495	Microparticles from apoptotic monocytes induce transient platelet recruitment and tissue factor expression by cultured human vascular endothelial cells via a redox-sensitive mechanism. <b>2007</b> , 98, 831-837	55
1494	Superoxide generation from nitric oxide synthases. <b>2007</b> , 9, 1773-8	26
1493	O phis e o endotlio. Aspectos extra genitais da disfun <b>ö</b> erĉtil. <b>2007</b> , 5, 50-58	4
1492	Effects of PGC-1alpha on TNF-alpha-induced MCP-1 and VCAM-1 expression and NF-kappaB activation in human aortic smooth muscle and endothelial cells. <b>2007</b> , 9, 301-7	110
1491	Vascular Biology Protocols. <b>2007</b> ,	1
1490	Biomarkers of obesity and subsequent cardiovascular events. <b>2007</b> , 29, 98-114	66
1489	NADPH oxidase polymorphisms in cerebral small vessel disease. <b>2007</b> , 24, 135-8	6
1488	Redox features of the cell: a gender perspective. <b>2007</b> , 9, 1779-801	77

1486	Involvement of oxidative stress in the pathogenesis of diabetes. <b>2007</b> , 9, 355-66	193
1485	Protective role of hypoxia-inducible factor-2alpha against ischemic damage and oxidative stress in the kidney. <b>2007</b> , 18, 1218-26	105
1484	Role of redox reactions in the vascular phenotype of hyperhomocysteinemic animals. <b>2007</b> , 9, 1899-909	19
1483	Clonogenic endothelial progenitor cells are sensitive to oxidative stress. <b>2007</b> , 25, 297-304	100
1482	Evidence against a role for NADPH oxidase modulating hepatic vascular tone in cirrhosis. <b>2007</b> , 133, 959-66	35
1481	The mystery of coronary artery spasm. <b>2007</b> , 16, 10-5	21
1480	Roles of rho-associated kinase and oxidative stress in the pathogenesis of aortic stiffness. <b>2007</b> , 49, 698-705	72
1479	Plasma concentrations of myeloperoxidase predict mortality after myocardial infarction. <b>2007</b> , 49, 1993-2000	247
1478	The Age-Related Proinflammatory State and Eye Disease. <b>2007</b> , 391-414	
1477	Detection of reactive oxygen species and nitric oxide in vascular cells and tissues: comparison of sensitivity and specificity. <b>2007</b> , 139, 293-311	45
1476	Oxidative stress, glucose metabolism, and the prevention of type 2 diabetes: pathophysiological insights. <b>2007</b> , 9, 911-29	77
1475	Microcirculation and oxidative stress. <b>2007</b> , 41, 1364-75	91
1474	Oxidative stress and endothelial dysfunction. <b>2007</b> , 27, 5-12	20
1473	Cardiovascular effects of pulmonary exposure to single-wall carbon nanotubes. <b>2007</b> , 115, 377-82	312
1472	The Effect of Lower Urinary Tract Symptoms on Erectile Function and the Frequency of Sexual Intercourse. <b>2007</b> , 48, 458	2
1471	H2O2 increases production of constrictor prostaglandins in smooth muscle leading to enhanced arteriolar tone in Type 2 diabetic mice. <b>2007</b> , 292, H649-56	40
1470	Reactive Oxygen Species. 375-383	
1469	Current concepts on the pathophysiology of portal hypertension. <b>2007</b> , 6, 28-36	61

#### (2007-2007)

Endothelial Dysfunction in Heart Failure and Ischemic Heart Disease: Rationale for the Clinical use 1468 of Mononitrates. 2007, 3, 182618680700300 Increased oxidative stress in cirrhotic rat livers: A potential mechanism contributing to reduced 98 nitric oxide bioavailability. 2008, 47, 1248-56 1466 Olive oil and oxidative stress. **2007**, 51, 1215-24 84 Asymmetric dimethylarginine (ADMA) and hyperhomocysteinemia in patients with acute 1465 28 myocardial infarction. 2007, 40, 66-72 Correlation of oxidative stress parameters and inflammatory markers in coronary artery disease 1464 99 patients. 2007, 40, 181-7 Analysis of peroxiredoxin decreasing oxidative stress in hypertensive aortic smooth muscle. 2007, 25 1774, 848-55 1462 Role of PET in the evaluation and understanding of coronary physiology. 2007, 14, 589-603 49 1461 Lipid second messengers and cell signaling in vascular wall. 2007, 72, 797-808 1460 Regulation of the expression of soluble guanylyl cyclase by reactive oxygen species. 2007, 150, 1084-91 63 Nitric oxide and superoxide interactions in the kidney and their implication in the development of 1459 73 salt-sensitive hypertension. 2007, 34, 946-52 17Beta-oestradiol partially attenuates the inhibition of nitric oxide synthase-3 by advanced 1458 12 glycation end-products in human platelets. 2007, 34, 972-8 Effect of gender and sex hormones on vascular oxidative stress. 2007, 34, 1037-43 97 Oxidative stress and potential interventions to reduce oxidative stress in overweight and obesity. 1456 289 2007, 9, 813-39 Klotho gene delivery suppresses oxidative stress in vivo. 2007, 7, 293-299 14 1454 Atherogenesis: the role of inflammation and infection. 2007, 50, 535-46 74 Relationship between endothelial dysfunction, oxidant stress and aspirin resistance in patients 10 with stable coronary heart disease. 2007, 32, 287-92 1452 Role of oxidative stress on pathogenesis of hypertensive cerebrovascular lesions. 2007, 57, 133-9 7 YS 51, 1-(beta-naphtylmethyl)-6,7-dihydroxy-1,2,3,4,-tetrahydroisoquinoline, protects endothelial cells against hydrogen peroxide-induced injury via carbon monoxide derived from heme 23 oxygenase-1. 2007, 74, 1361-70

1450	Low nitric oxide: a key factor underlying copper-deficiency teratogenicity. <b>2007</b> , 43, 1639-48	14
1449	L-arginine transporters in cardiovascular disease: a novel therapeutic target. <b>2007</b> , 116, 428-36	54
1448	The role of tobacco smoke induced mitochondrial damage in vascular dysfunction and atherosclerosis. <b>2007</b> , 621, 61-74	40
1447	Lipid peroxidation-derived etheno-DNA adducts in human atherosclerotic lesions. <b>2007</b> , 621, 95-105	57
1446	Selenium and sulforaphane modify the expression of selenoenzymes in the human endothelial cell line EAhy926 and protect cells from oxidative damage. <b>2007</b> , 23, 138-44	48
1445	Orange pulp improves antioxidant status and suppresses lipid peroxidation in orchidectomized male rats. <b>2007</b> , 23, 617-21	17
1444	Endoplasmic reticulum stress and oxidative stress: a vicious cycle or a double-edged sword?. <b>2007</b> , 9, 2277-93	1147
1443	Plant polyphenols: how to translate their in vitro antioxidant actions to in vivo conditions. <b>2007</b> , 59, 308-15	136
1442	Reactive oxygen species mediate a cellular 'memory' of high glucose stress signalling. <b>2007</b> , 50, 1523-31	165
1441	Increased superoxide anion production is associated with early atherosclerosis and cardiovascular dysfunctions in a rabbit model. <b>2007</b> , 294, 225-35	27
1440	Extracellular oxidative damage of vascular walls and their protection using antioxidant enzymes. <b>2007</b> , 41, 235-243	2
1439	Atherosclerosis and oxidant stress: the end of the road for antioxidant vitamin treatment?. <b>2007</b> , 21, 195-210	64
1438	A modular tissue engineering construct containing smooth muscle cells and endothelial cells. <b>2007</b> , 35, 2039-49	46
1437	The effect of acute aerobic exercise on pulse wave velocity and oxidative stress following postprandial hypertriglyceridemia in healthy men. <b>2007</b> , 100, 225-34	66
1436	Variation in the selenoprotein S gene locus is associated with coronary heart disease and ischemic stroke in two independent Finnish cohorts. <b>2007</b> , 122, 355-65	85
1435	Chronic hyperglicemia and nitric oxide bioavailability play a pivotal role in pro-atherogenic vascular modifications. <b>2007</b> , 2, 195-208	41
1434	A review of the interaction among dietary antioxidants and reactive oxygen species. 2007, 18, 567-79	561
1433	Selective type 1 angiotensin II receptor blockade attenuates oxidative stress and regulates angiotensin II receptors in the canine failing heart. <b>2008</b> , 317, 97-104	12

1432	The endothelium - the cardiovascular health barometer. <b>2008</b> , 33, 343-53	17
1431	Antioxidative effects of statins. <b>2008</b> , 82, 885-92	69
1430	Endothelial dysfunction and oxidant status in pediatric patients with hemoglobin E-beta thalassemia. <b>2008</b> , 29, 130-5	45
1429	Effects of dietary sodium on reactive oxygen species formation and endothelial dysfunction in low-density lipoprotein receptor-deficient mice on high-fat diet. <b>2008</b> , 23, 420-9	28
1428	Plasma detection of NO by a catheter. <b>2008</b> , 46, 509-16	3
1427	Inhibitory effect of simvastatin on the TNF-alpha- and angiotensin II-induced monocyte adhesion to endothelial cells is mediated through the suppression of geranylgeranyl isoprenoid-dependent ROS generation. <b>2008</b> , 31, 195-204	21
1426	Resveratrol disrupts peroxynitrite-triggered mitochondrial apoptotic pathway: a role for Bcl-2. <b>2008</b> , 13, 1043-53	28
1425	The anti-atherosclerotic effect of olive leaf extract is related to suppressed inflammatory response in rabbits with experimental atherosclerosis. <b>2008</b> , 47, 235-43	82
1424	The role of inflammatory cytokines in endothelial dysfunction. <b>2008</b> , 103, 398-406	294
1423	Antioxidant activity of Sanionia uncinata, a polar moss species from King George Island, Antarctica. <b>2008</b> , 22, 1635-9	16
1422	Nitric oxide releasing metal-diazeniumdiolate complexes strongly induce vasorelaxation and endothelial cell proliferation. <b>2008</b> , 3, 1039-47	14
1421	Hypouricemia linked to an overproduction of nitric oxide is an early marker of oxidative stress in female subjects with type 1 diabetes. <b>2008</b> , 24, 318-23	17
1420	Elevated fibroblast growth factor-2 increases tumor necrosis factor-alpha induced endothelial cell death in high glucose. <b>2008</b> , 217, 86-92	15
1419	Abnormal vasomotor function of porcine coronary arteries distal to sirolimus-eluting stents. <b>2008</b> , 1, 279-85	21
1418	Peroxisome proliferator activated receptor gamma agonists suppress TNFalpha-induced ICAM-1 expression by endothelial cells in a manner potentially dependent on inhibition of reactive oxygen species. <b>2008</b> , 117, 63-9	31
1417	Prooxidant-antioxidant balance as a new risk factor in patients with angiographically defined coronary artery disease. <b>2008</b> , 41, 375-80	92
1416	PON1 status is influenced by oxidative stress and inflammation in coronary heart disease patients. <b>2008</b> , 41, 1067-73	47
1415	Potential target sites to modulate vascular endothelial dysfunction: current perspectives and future directions. <b>2008</b> , 245, 49-64	50

1414	Hydrogen peroxide emerges as a regulator of tone in skeletal muscle arterioles during juvenile growth. <b>2008</b> , 15, 151-61	14
1413	Age-related alterations in reactivity of cerebral arterioles: role of oxidative stress. <b>2008</b> , 15, 225-36	86
1412	Cardioprotective mechanism of telmisartan via PPAR-gamma-eNOS pathway in dahl salt-sensitive hypertensive rats. <b>2008</b> , 21, 576-81	86
1411	Oxidative stress, endothelial function and coenzyme Q10. <b>2008</b> , 32, 129-33	37
1410	Carvedilol modifies antioxidant status of patients with stable angina. 2008, 13, 230-9	11
1409	Mechanisms of augmented vasoconstriction induced by 5-hydroxytryptamine in aortic rings from spontaneously hypertensive rats. <b>2008</b> , 155, 210-6	11
1408	Superoxide from NADPH oxidase upregulates type 5 phosphodiesterase in human vascular smooth muscle cells: inhibition with iloprost and NONOate. <b>2008</b> , 155, 847-56	35
1407	Potential importance of alterations in hydrogen sulphide (H2S) bioavailability in diabetes. <b>2008</b> , 155, 617-9	20
1406	Hyperglycemia induces oxidative and nitrosative stress and increases renal functional impairment in Nrf2-deficient mice. <b>2008</b> , 13, 1159-70	152
1405	Insulin resistance and endothelial cell dysfunction: studies in mammalian models. 2008, 93, 158-63	66
1404	Endothelial dysfunction and reduced antioxidant protection in an animal model of the developmental origins of cardiovascular disease. <b>2008</b> , 586, 4709-20	51
1403	Effects of alpha-lipoic acid on endothelial function in aged diabetic and high-fat fed rats. <b>2008</b> , 153, 894-906	76
1402	Role of NADPH oxidase and iNOS in vasoconstrictor responses of vessels from hypertensive and normotensive rats. <b>2008</b> , 153, 926-35	29
1401	Inhibition of matrix metalloproteinases prevents peroxynitrite-induced contractile dysfunction in the isolated cardiac myocyte. <b>2008</b> , 153, 676-83	30
1400	Relaxation induced by red wine polyphenolic compounds in rat pulmonary arteries: lack of inhibition by NO-synthase inhibitor. <b>2008</b> , 22, 25-35	17
1399	Effects of sulphite supplementation on vascular responsiveness in sulphite oxidase-deficient rats. <b>2008</b> , 35, 268-72	1
1398	Reactive oxygen species and glucocorticoid-induced hypertension. <b>2008</b> , 35, 477-82	26
1397	Effects of insulin resistance on endothelial function: possible mechanisms and clinical implications. <b>2008</b> , 10, 834-42	30

### (2008-2008)

1396	Oxidative stress in children late after Kawasaki disease: relationship with carotid atherosclerosis and stiffness. <b>2008</b> , 8, 20	34
1395	[An endogenous dithiol with antioxidant properties: alpha-lipoic acid, potential uses in cardiovascular diseases]. <b>2008</b> , 57, 161-5	13
1394	Spatially distinct production of reactive oxygen species regulates platelet activation. <b>2008</b> , 45, 158-66	53
1393	Distinct roles of Nox1 and Nox4 in basal and angiotensin II-stimulated superoxide and hydrogen peroxide production. <b>2008</b> , 45, 1340-51	312
1392	Stobadine-induced hastening of sensorimotor recovery after focal ischemia/reperfusion is associated with cerebrovascular protection. <b>2008</b> , 1208, 240-9	10
1391	N-nitrosodiethylamine-induced toxicity in relation to oxidative stress and development of atherosclerosis in hypercholesterolemic diet-fed rabbits. <b>2008</b> , 59, 409-14	12
1390	Erectile dysfunction and dyslipidemia: relevance and role of phosphodiesterase type-5 inhibitors and statins. <b>2008</b> , 5, 1066-1078	38
1389	Salivary 8-OHdG: a useful biomarker for predicting severe ED and hypogonadism. <b>2008</b> , 5, 1482-91	19
1388	Prevention of atrial fibrillation following cardiac surgery: basis for a novel therapeutic strategy based on non-hypoxic myocardial preconditioning. <b>2008</b> , 118, 104-27	47
1387	Control of pulmonary vascular tone during exercise in health and pulmonary hypertension. <b>2008</b> , 119, 242-63	37
1386	AT2 receptors: functional relevance in cardiovascular disease. <b>2008</b> , 120, 292-316	195
1385	Glucosyl hesperidin prevents endothelial dysfunction and oxidative stress in spontaneously hypertensive rats. <b>2008</b> , 24, 470-6	44
1384	Vascular endothelial function in health and diseases. <b>2008</b> , 15, 49-67	67
1383	Reactive oxygen species and endothelial activation. <b>2008</b> , 10, 1089-100	90
1382	Oxidative stress impairs endothelial progenitor cell function. <b>2008</b> , 10, 1895-907	102
1381	Endothelial progenitor cells, endothelial dysfunction, inflammation, and oxidative stress in hypertension. <b>2008</b> , 10, 1079-88	86
1380	The prevention of endothelial dysfunction through endothelial cell apoptosis inhibition in a hypercholesterolemic rabbit model: the effect of L-arginine supplementation. <b>2008</b> , 7, 27	7
1379	Oxidative Stress in Aging. <b>2008</b> ,	11

1378	Transport, Deposition and Removal of Fine Particles - Biomedical Applications. 2008, 92-173	1
1377	Regulation of Coronary Microvascular Resistance in Health and Disease. <b>2008</b> , 521-549	4
1376	Association between the paraoxonase-1 192Q>R allelic variant and coronary endothelial dysfunction in patients with early coronary artery disease. <b>2008</b> , 83, 158-64	5
1375	Associations of hypertension and its complications with variations in the xanthine dehydrogenase gene. <b>2008</b> , 31, 931-40	28
1374	NADPH oxidases, reactive oxygen species, and hypertension: clinical implications and therapeutic possibilities. <b>2008</b> , 31 Suppl 2, S170-80	520
1373	Atherosclerosis and Oxidant Stress. 2008,	3
1372	Medical Applications of Colloids. 2008,	11
1371	Oxidants in Biology. 2008,	6
1370	Brachial artery responses in menopausal women using tibolone. <b>2008</b> , 101, 43-6	7
1369	Cyclin-dependent kinase inhibitor p16(INK4a) and telomerase may co-modulate endothelial progenitor cells senescence. <b>2008</b> , 7, 137-46	45
1368	Interaction between the uncoupling protein 2 -866G>A gene variant and cigarette smoking to increase oxidative stress in subjects with diabetes. <b>2008</b> , 18, 7-14	12
1367	Hydroxyhydroquinone-free coffee: a double-blind, randomized controlled dose-response study of blood pressure. <b>2008</b> , 18, 408-14	73
1366	Relation of the Glu298Asp polymorphism of the nitric oxide synthase gene to hypertension and serum cholesterol in Japanese workers. <b>2008</b> , 47, 167-71	15
1365	Angiotensin IV-evoked vasoprotection is conserved in advanced atheroma. 2008, 200, 37-44	21
1364	Targeting the ailing endothelium Laurrent concepts and future prospects. 2008, 24, 38C-43C	0
1363	Dysfonction endothliale : rle des radicaux libres. <b>2008</b> , 17, 387-392	1
1362	Traditional and novel approaches to management of heart failure: successes and failures. <b>2008</b> , 26, 59-72, vi	15
1361	The molecular sources of reactive oxygen species in hypertension. <b>2008</b> , 17, 70-7	59

1360	Insight into the role of CYBA A640G and C242T gene variants and coronary heart disease risk. A case-control study. <b>2008</b> , 42, 82-92	25
1359	Angiotensin II Blockade and Total Cardiovascular Risk: Beyond Blood Pressure Reduction. 2008, 15, 245-53	1
1358	Redox control of renal function and hypertension. <b>2008</b> , 10, 2047-89	127
1357	NO donor hybrid compounds as multifunctional therapeutic agents. <b>2008</b> , 18, 1111-1125	3
1356	A review of current progress in gene and stem cell therapy for erectile dysfunction. <b>2008</b> , 8, 1521-38	12
1355	Endothelial dysfunction: from molecular mechanisms to measurement, clinical implications, and therapeutic opportunities. <b>2008</b> , 10, 1631-74	131
1354	Redox control of endothelial function and dysfunction: molecular mechanisms and therapeutic opportunities. <b>2008</b> , 10, 1713-65	304
1353	Wine polyphenols improve endothelial function in large vessels of female spontaneously hypertensive rats. <b>2008</b> , 51, 1088-95	84
1352	Endothelial arginase II: a novel target for the treatment of atherosclerosis. <i>Circulation Research</i> , <b>2008</b> , 102, 923-32	193
1351	Antiphospholipid antibodies induce vascular functional changes in mice: a mechanism of vascular lesions in antiphospholipid syndrome?. <b>2008</b> , 17, 185-94	23
1350	Inflammatory responses to three modes of intense exercise in Standardbred mares a pilot study. <b>2008</b> , 5, 115	18
1349	Short-term heart variability and oxidative stress in newly diagnosed essential hypertension. <b>2008</b> , 30, 486-96	26
1348	Platelet factor 4/CXCL4-stimulated human monocytes induce apoptosis in endothelial cells by the release of oxygen radicals. <b>2008</b> , 83, 936-45	39
1347	Roles of oxidants, nitric oxide, and asymmetric dimethylarginine in endothelial function. <b>2008</b> , 13, 279-97	44
1346	CCR2-mediated antiinflammatory effects of endothelial tetrahydrobiopterin inhibit vascular injury-induced accelerated atherosclerosis. <b>2008</b> , 118, S71-7	25
1345	Endothelial dysfunction and elevated blood pressure in MAS gene-deleted mice. <b>2008</b> , 51, 574-80	156
1344	Mechanisms of lead-induced hypertension and cardiovascular disease. <b>2008</b> , 295, H454-65	208
1343	Regulation of Coronary Microvascular Resistance in Health and Disease. <b>2008</b> , 521-549	8

1342	Hydrogen peroxide inhibits cytochrome p450 epoxygenases: interaction between two endothelium-derived hyperpolarizing factors. <i>Circulation Research</i> , <b>2008</b> , 102, 59-67	15.7	88
1341	Oxidative protein damage is associated with elevated serum interleukin-6 levels among older moderately to severely disabled women living in the community. <b>2008</b> , 63, 179-83		15
1340	Prolonged statin-associated reduction in neutrophil reactive oxygen species and angiotensin II type 1 receptor expression: 1-year follow-up. <b>2008</b> , 29, 1118-26		46
1339	Simvastatin reduces Chlamydophila pneumoniae-mediated histone modifications and gene expression in cultured human endothelial cells. <i>Circulation Research</i> , <b>2008</b> , 102, 888-95	15.7	37
1338	Polyphenols from red wine modulate immune responsiveness: biological and clinical significance. <b>2008</b> , 14, 2733-48		39
1337	Effects of resibufogenin in experimental hypertension. <b>2008</b> , 28, 8-13		15
1336	Chemistry and antihypertensive effects of tempol and other nitroxides. 2008, 60, 418-69		285
1335	Progressive dysfunction of nitric oxide synthase in a lamb model of chronically increased pulmonary blood flow: a role for oxidative stress. <b>2008</b> , 295, L756-66		33
1334	Blockade of endogenous proinflammatory cytokines ameliorates endothelial dysfunction in obese Zucker rats. <b>2008</b> , 31, 737-43		13
1333	Bidirectional actions of hydrogen peroxide on endothelial nitric-oxide synthase phosphorylation and function: co-commitment and interplay of Akt and AMPK. <b>2008</b> , 283, 25256-25263		55
1332	LOX-1 receptor blockade abrogates oxLDL-induced oxidative DNA damage and prevents activation of the transcriptional repressor Oct-1 in human coronary arterial endothelium. <b>2008</b> , 283, 19456-64		49
1331	Oxidative stress is associated with arterial dysfunction and enhanced intima-media thickness in children with hypercholesterolemia: the potential role of nicotinamide-adenine dinucleotide phosphate oxidase. <b>2008</b> , 122, e648-55		53
1330	The proverbial chicken or the egg? Dissection of the role of cell-free hemoglobin versus reactive oxygen species in sickle cell pathophysiology. <b>2008</b> , 295, H4-7		18
1329	20-hydroxyeicosatetraenoic acid causes endothelial dysfunction via eNOS uncoupling. <b>2008</b> , 294, H1018-	26	122
1328	Effect of endothelium-specific insulin resistance on endothelial function in vivo. <b>2008</b> , 57, 3307-14		131
1327	Soluble guanylyl cyclase activation by HMR-1766 (ataciguat) in cells exposed to oxidative stress. <b>2008</b> , 295, H1763-71		38
1326	Signal Transduction in the Cardiovascular System in Health and Disease. 2008,		
1325	Oxidative stress attenuates NO-induced modulation of sympathetic neurotransmission in the mesenteric arterial bed of spontaneously hypertensive rats. <b>2008</b> , 294, H183-9		29

### (2008-2008)

1324	The interaction between coronary endothelial dysfunction, local oxidative stress, and endogenous nitric oxide in humans. <b>2008</b> , 51, 127-33	107
1323	Role of oxidative stress in high glucose-induced decreased expression of Gialpha proteins and adenylyl cyclase signaling in vascular smooth muscle cells. <b>2008</b> , 294, H2845-54	21
1322	Contribution of myeloperoxidase to smoking-dependent vascular inflammation. <b>2008</b> , 5, 820-3	35
1321	Endothelial function and aminothiol biomarkers of oxidative stress in healthy adults. <b>2008</b> , 52, 80-5	69
1320	Thioredoxin-1 is a novel and attractive therapeutic approach for various diseases including cardiovascular disorders. <b>2008</b> , 8, 293-6	8
1319	Endothelial dysfunction, impaired endogenous platelet inhibition and platelet activation in diabetes and atherosclerosis. <b>2008</b> , 6, 52-60	98
1318	High intraluminal pressure via H2O2 upregulates arteriolar constrictions to angiotensin II by increasing the functional availability of AT1 receptors. <b>2008</b> , 295, H835-41	23
1317	Serum amyloid A induces endothelial dysfunction in porcine coronary arteries and human coronary artery endothelial cells. <b>2008</b> , 295, H2399-408	39
1316	Comparison of vascular endothelial growth factor and fibroblast growth factor-2 in a swine model of endothelial dysfunction. <b>2008</b> , 33, 645-50; discussion 251-2	21
1315	Augmentation of vascular remodeling by uncoupled endothelial nitric oxide synthase in a mouse model of diabetes mellitus. <b>2008</b> , 28, 1068-76	45
1314	Role of oxidative stress in the renal abnormalities induced by experimental hyperuricemia. <b>2008</b> , 295, F1134-41	212
1313	Nicotinamide adenine dinucleotide phosphate oxidase and diabetes: vascular implications. <b>2008</b> , 42, 305-13	5
1312	Antioxidant gene therapy for cardiovascular disease: current status and future perspectives. <b>2008</b> , 117, 2142-50	83
1311	Nifedipine improves endothelial function: role of endothelial progenitor cells. 2008, 52, 491-8	59
1310	Periodontal infection is associated with endothelial dysfunction in healthy subjects and hypertensive patients. <b>2008</b> , 51, 446-53	165
1309	Endothelin (ET)-1 inhibits nicotinamide adenine dinucleotide phosphate oxidase activity in human abdominal aortic endothelial cells: a novel function of ETB1 receptors. <b>2008</b> , 149, 4979-87	20
1308	Xanthine oxidase and mitochondria contribute to vascular superoxide anion generation in DOCA-salt hypertensive rats. <b>2008</b> , 295, H281-8	83
1307	[Comprehensive glaucoma care]. <b>2008</b> , 225, 1024-30	Ο

1306	Oxytocin attenuates NADPH-dependent superoxide activity and IL-6 secretion in macrophages and vascular cells. <b>2008</b> , 295, E1495-501	139
1305	Vascular oxidative stress and nitric oxide depletion in HIV-1 transgenic rats are reversed by glutathione restoration. <b>2008</b> , 294, H2792-804	44
1304	Reactive oxygen species from NADPH oxidase contribute to altered pulmonary vascular responses in piglets with chronic hypoxia-induced pulmonary hypertension. <b>2008</b> , 295, L881-8	66
1303	Cytochrome P-450 2C9 signaling does not contribute to age-associated vascular endothelial dysfunction in humans. <b>2008</b> , 105, 1359-63	22
1302	Olmesartan prevents cardiovascular injury and hepatic steatosis in obesity and diabetes, accompanied by apoptosis signal regulating kinase-1 inhibition. <b>2008</b> , 52, 573-80	84
1301	Pioglitazone inhibits angiotensin II-induced senescence of endothelial progenitor cell. <b>2008</b> , 31, 757-65	47
1300	Nebivolol: pharmacologic profile of an ultraselective, vasodilatory beta1-blocker. <b>2008</b> , 48, 225-39	34
1299	Association Between the Paraoxonase-1 192Q>R Allelic Variant and Coronary Endothelial Dysfunction in Patients With Early Coronary Artery Disease. <b>2008</b> , 83, 158-164	9
1298	Roles of endothelial oxidases in endothelium-derived hyperpolarizing factor responses in mice. <b>2008</b> , 52, 510-7	43
1297	Beneficial effect of coenzyme Q10 on increased oxidative and nitrative stress and inflammation and individual metabolic components developing in a rat model of metabolic syndrome. <b>2008</b> , 107, 128-37	68
1296	Inhibitory effect of the compounds isolated from Rhus verniciflua on aldose reductase and advanced glycation endproducts. <b>2008</b> , 31, 1626-30	69
1295	NADPH oxidase CYBA polymorphisms, oxidative stress and cardiovascular diseases. <b>2008</b> , 114, 173-82	78
1294	Regulation of oxidative stress and cardioprotection in diabetes mellitus. 2008, 4, 251-8	4
1293	Endothelial Microparticles: Mediators or Markers of Endothelial Cell Dysfunction?. 2008, 4, 78-85	
1292	Dysfunction of pulmonary vascular endothelium in chronic obstructive pulmonary disease: basic considerations for future drug development. <b>2008</b> , 9, 661-7	28
1291	Endothelial Dysfunction in the Hypertensive State: Mechanisms of Hypertensive Cardiovascular Complications. <b>2008</b> , 4, 303-312	
1290	Endothelial function assessment in complicated hypertension. <b>2008</b> , 14, 1761-70	39
1289	The role of the methoxyphenol apocynin, a vascular NADPH oxidase inhibitor, as a chemopreventative agent in the potential treatment of cardiovascular diseases. <b>2008</b> , 6, 204-17	40

1288	Can exercise minimize postprandial oxidative stress in patients with type 2 diabetes?. <b>2008</b> , 4, 309-19	21
1287	. 2008,	8
1286	Effects of the vasodilating beta-blocker nebivolol on smoking-induced endothelial dysfunction in young healthy volunteers. <b>2008</b> , Volume 4, 905-915	8
1285	Role of oxidative stress and nitric oxide in atherothrombosis. <b>2008</b> , 13, 5323-44	127
1284	[Vascular endothelial dysfunction, oxidative stressa new topic within the referral section of Orvosi Hetilap]. <b>2008</b> , 149, 1323-7	О
1283	Effectiveness of edaravone in patients with minor ischemic stroke and hyperglycemia. <b>2008</b> , 30, 45-49	
1282	Relationships among ET-1, PPARgamma, oxidative stress and endothelial dysfunction in diabetic animals. <b>2008</b> , 44, 41-55	42
1281	CD4+ T lymphocytes mediate hypercholesterolemia-induced endothelial dysfunction via a NAD(P)H oxidase-dependent mechanism. <b>2008</b> , 294, H2619-26	3
1280	Endothelial progenitor cells dysfunction and senescence: contribution to oxidative stress. 2008, 4, 275-86	43
1279	Quels sont les effets pathologiques de la drpanocytose sur la biologie vasculaire ?. <b>2009</b> , 15, 446-457	2
1278	[A new possible strategy for prevention and preventive treatment of age-related macular degeneration resting on recent clinical and pathophysiological observations]. <b>2009</b> , 150, 503-12	0
1277	Vasoactivity of Flavonols, Flavones and Catechins. <b>2009</b> , 843-855	
1276	Asymmetric dimethylarginine (ADMA) and endothelial dysfunction: implications for atherogenesis. <b>2009</b> , 64, 471-8	56
1275	Peripheral arterial disease and Virchow® triad. 2009, 101, 1032-1040	38
1274	Nitric oxide and coronary vascular endothelium adaptations in hypertension. <b>2009</b> , 5, 1075-87	39
1273	The role of urate and xanthine oxidase in vascular oxidative stress: future directions. 2009, 5, 799-803	22
1272	Role of oxidative and nitrosative stress biomarkers in chronic heart failure. <b>2009</b> , 14, 2230-7	47
1271	Role of urate, xanthine oxidase and the effects of allopurinol in vascular oxidative stress. <b>2009</b> , 5, 265-72	136

1270	Oxidative stress as a mediator of cardiovascular disease. <b>2009</b> , 2, 259-69		252
1269	[Physical exercise and menopause]. 2009, 31, 254-61		9
1268	Rho-kinase inhibitors Y-27632 and fasudil prevent agonist-induced vasospasm in human radial artery. <b>2009</b> , 87, 595-601		12
1267	Vascular reactivity is affected by dietary consumption of wild blueberries in the Sprague-Dawley rat. <b>2009</b> , 12, 21-8		49
1266	The role of nitric oxide in skin blood flow increases due to vibration in healthy adults and adults with type 2 diabetes. <b>2009</b> , 11, 39-43		61
1265	Molecular mechanisms responsible for the atheroprotective effects of laminar shear stress. <b>2009</b> , 11, 1669-82		85
1264	Role of NADPH oxidase in atherosclerosis. <b>2009</b> , 5, 83-92		56
1263	Dietary phosphorus acutely impairs endothelial function. <b>2009</b> , 20, 1504-12		275
1262	Role of proinflammatory cytokines and redox homeostasis in exercise-induced delayed progression of hypertension in spontaneously hypertensive rats. <b>2009</b> , 54, 1393-400		68
1261	Aliskiren enhances the protective effects of valsartan against cardiovascular and renal injury in endothelial nitric oxide synthase-deficient mice. <b>2009</b> , 54, 633-8		53
1260	Arginase inhibition restores NOS coupling and reverses endothelial dysfunction and vascular stiffness in old rats. <b>2009</b> , 107, 1249-57		185
1259	Role of NF-kappaB in flow-induced vascular remodeling. <b>2009</b> , 11, 1641-9		39
1258	Static pressure promotes rat aortic smooth muscle cell proliferation via upregulation of volume-regulated chloride channel. <b>2009</b> , 24, 461-70		18
1257	Molecular insights and therapeutic targets for diabetic endothelial dysfunction. <b>2009</b> , 120, 1266-86		241
1256	Monitoring white blood cell mitochondrial aldehyde dehydrogenase activity: implications for nitrate therapy in humans. <b>2009</b> , 330, 63-71		26
1255	An azido-biotin reagent for use in the isolation of protein adducts of lipid-derived electrophiles by streptavidin catch and photorelease. <b>2009</b> , 8, 2080-9		80
1254	Advanced oxidation protein products inhibit proliferation and differentiation of rat osteoblast-like cells via NF-kappaB pathway. <b>2009</b> , 24, 105-14		41
1253	An ezrin/calpain/PI3K/AMPK/eNOSs1179 signaling cascade mediating VEGF-dependent endothelial nitric oxide production. <i>Circulation Research</i> , <b>2009</b> , 104, 50-9	15.7	97

## (2009-2009)

1252	Increase in fasting vascular endothelial function after short-term oral L-arginine is effective when baseline flow-mediated dilation is low: a meta-analysis of randomized controlled trials. <b>2009</b> , 89, 77-84	87
1251	Hemodynamic forces, vascular oxidative stress, and regulation of BMP-2/4 expression. <b>2009</b> , 11, 1683-97	49
1250	Therapeutic angiogenesis in diabetes and hypercholesterolemia: influence of oxidative stress. <b>2009</b> , 11, 1945-59	40
1249	Gene and cell therapy for heart failure. <b>2009</b> , 11, 2025-42	7
1248	Shear flow increases S-nitrosylation of proteins in endothelial cells. <b>2009</b> , 83, 536-46	68
1247	Resveratrol: a natural polyphenol with multiple chemopreventive properties. <b>2009</b> , 10, 530-46	122
1246	Effect of hypercholesterolemia on myocardial necrosis and apoptosis in the setting of ischemia-reperfusion. <b>2009</b> , 120, S22-30	69
1245	N epsilon-(hexanoyl) lysine, a new oxidative stress marker, is increased in metabolic syndrome, but not in obstructive sleep apnea. <b>2009</b> , 338, 127-33	23
1244	Endothelial colony-forming cells from preterm infants are increased and more susceptible to hyperoxia. <b>2009</b> , 180, 454-61	86
1243	Major depression and coronary flow reserve detected by positron emission tomography. <b>2009</b> , 169, 1668-76	41
1242	Predictive role of C677T MTHFR polymorphism in variable efficacy of photodynamic therapy for neovascular age-related macular degeneration. <b>2009</b> , 10, 81-95	22
1242 1241		22
	neovascular age-related macular degeneration. <b>2009</b> , 10, 81-95  Prevention of vascular injury by combination of an AT1 receptor blocker, olmesartan, with various calcium antagonists. <b>2009</b> , 22, 145-50  Growth-differentiation factor-15 is an independent marker of cardiovascular dysfunction and	
1241	neovascular age-related macular degeneration. <b>2009</b> , 10, 81-95  Prevention of vascular injury by combination of an AT1 receptor blocker, olmesartan, with various calcium antagonists. <b>2009</b> , 22, 145-50  Growth-differentiation factor-15 is an independent marker of cardiovascular dysfunction and disease in the elderly: results from the Prospective Investigation of the Vasculature in Uppsala	22
1241	neovascular age-related macular degeneration. 2009, 10, 81-95  Prevention of vascular injury by combination of an AT1 receptor blocker, olmesartan, with various calcium antagonists. 2009, 22, 145-50  Growth-differentiation factor-15 is an independent marker of cardiovascular dysfunction and disease in the elderly: results from the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS) Study. 2009, 30, 2346-53  Characterization of the proximal ligand in the P420 form of inducible nitric oxide synthase. 2009,	22 163
1241 1240 1239	Prevention of vascular injury by combination of an AT1 receptor blocker, olmesartan, with various calcium antagonists. 2009, 22, 145-50  Growth-differentiation factor-15 is an independent marker of cardiovascular dysfunction and disease in the elderly: results from the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS) Study. 2009, 30, 2346-53  Characterization of the proximal ligand in the P420 form of inducible nitric oxide synthase. 2009, 131, 12186-92	<ul><li>163</li><li>22</li></ul>
1241 1240 1239 1238	Prevention of vascular injury by combination of an AT1 receptor blocker, olmesartan, with various calcium antagonists. 2009, 22, 145-50  Growth-differentiation factor-15 is an independent marker of cardiovascular dysfunction and disease in the elderly: results from the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS) Study. 2009, 30, 2346-53  Characterization of the proximal ligand in the P420 form of inducible nitric oxide synthase. 2009, 131, 12186-92  Global analysis of protein damage by the lipid electrophile 4-hydroxy-2-nonenal. 2009, 8, 670-80  Effect of thrombin fragment (TP508) on myocardial ischemia-reperfusion injury in	<ul><li>22</li><li>163</li><li>22</li><li>120</li></ul>

1234	Asymmetric dimethylarginine, oxidative stress, and vascular nitric oxide synthase in essential hypertension. <b>2009</b> , 296, R195-200	75
1233	Mechanisms of coronary microvascular adaptation to obesity. <b>2009</b> , 297, R556-67	29
1232	Hyperoxia disrupts vascular endothelial growth factor-nitric oxide signaling and decreases growth of endothelial colony-forming cells from preterm infants. <b>2009</b> , 297, L1160-9	49
1231	High glucose-induced IKK-Hsp-90 interaction contributes to endothelial dysfunction. <b>2009</b> , 296, C182-92	29
1230	The soluble guanylate cyclase activator HMR1766 reverses hypoxia-induced experimental pulmonary hypertension in mice. <b>2009</b> , 297, L658-65	32
1229	Maintenance of adrenergic vascular tone by MMP transactivation of the EGFR requires PI3K and mitochondrial ATP synthesis. <b>2009</b> , 84, 368-77	30
1228	LOX-1-MT1-MMP axis is crucial for RhoA and Rac1 activation induced by oxidized low-density lipoprotein in endothelial cells. <b>2009</b> , 84, 127-36	89
1227	Targeting hypoxia-inducible factor-1 (HIF-1) signaling in therapeutics: implications for the treatment of inflammatory bowel disease. <b>2009</b> , 3, 1-16	29
1226	Shear stress inhibits homocysteine-induced stromal cell-derived factor-1 expression in endothelial cells. <i>Circulation Research</i> , <b>2009</b> , 105, 755-63	24
1225	Tyrosine nitration of PA700 activates the 26S proteasome to induce endothelial dysfunction in mice with angiotensin II-induced hypertension. <b>2009</b> , 54, 625-32	44
1224	SOD1 deficiency causes salt sensitivity and aggravates hypertension in hydronephrosis. <b>2009</b> , 297, R82-92	29
1223	Low-density lipoprotein apheresis for haemodialysis patients with peripheral arterial disease reduces reactive oxygen species production via suppression of NADPH oxidase gene expression in leucocytes. <b>2009</b> , 24, 3818-25	14
1222	NADPH oxidase has a directional response to shear stress. <b>2009</b> , 296, H152-8	47
1221	Ascorbic acid and tetrahydrobiopterin: looking beyond nitric oxide bioavailability. <b>2009</b> , 84, 178-9	4
1220	K(ATP) activation prevents progression of cardiac hypertrophy to failure induced by pressure overload via protecting endothelial function. <b>2009</b> , 83, 444-56	61
1219	Plasma oxidized low-density lipoprotein levels and arterial stiffness in older adults: the health, aging, and body composition study. <b>2009</b> , 53, 846-52	51
1218	Smoking and atherosclerotic cardiovascular disease: Part I: atherosclerotic disease process. <b>2009</b> , 3, 411-28	15
1217	Hyperhomocysteinemia-induced myocardial injury after coronary artery bypass. <b>2009</b> , 17, 483-9	3

1216	L-Carnitine supplementation reduces oxidized LDL cholesterol in patients with diabetes. <b>2009</b> , 89, 71-6	79
1215	The effect of tempol on endothelium-dependent vasodilatation and blood pressure. <b>2009</b> , 122, 109-24	55
1214	Regulation of cell proliferation by NADPH oxidase-mediated signaling: potential roles in tissue repair, regenerative medicine and tissue engineering. <b>2009</b> , 122, 97-108	117
1213	Serum lipids, uric acid and leptin/adiponectin ratio in clinically healthy normal weight and overweight young men, aged 17½0 years. <b>2009</b> , 6, 63-69	1
1212	Activation of endothelial cells after exposure to ambient ultrafine particles: the role of NADPH oxidase. <b>2009</b> , 236, 183-93	63
1211	Potential in vitro effects of carbon nanotubes on human aortic endothelial cells. <b>2009</b> , 236, 319-28	86
<b>121</b> 0	The relationship between flow-mediated dilatation of the brachial artery and intima-media thickness of the carotid artery to Framingham risk scores in older African Americans. <b>2009</b> , 11, 713-9	9
1209	Role of NADPH oxidase in H9c2 cardiac muscle cells exposed to simulated ischaemia-reperfusion. <b>2009</b> , 13, 2724-2735	41
1208	Association of glycemic control with risk of erectile dysfunction in men with type 2 diabetes. <b>2009</b> , 6, 1719-1728	56
1207	A novel marine compound xyloketal B protects against oxidized LDL-induced cell injury in vitro. <b>2009</b> , 78, 941-50	68
1206	The effects of cholesterol ester transfer protein inhibition on cholesterol efflux. <b>2009</b> , 104, 39E-45E	32
1205	Antioxidant activity of liver growth factor, a bilirubin covalently bound to albumin. 2009, 46, 656-62	16
1204	Determinants of platelet activation in hypertensives with microalbuminuria. <b>2009</b> , 46, 922-7	15
1203	The potential for interaction of hydrochlorothiazide with garlic in rats. <b>2009</b> , 181, 472-9	33
1202	Pulse wave velocity and age- and gender-dependent aortic wall hardening in fowl. 2009, 154, 429-36	7
1201	Dose-dependent effects of a selective phosphodiesterase-5-inhibitor on endothelial dysfunction induced by peroxynitrite in rat aorta. <b>2009</b> , 615, 155-62	28
1200	Curcumin improves vascular function and alleviates oxidative stress in non-lethal lipopolysaccharide-induced endotoxaemia in mice. <b>2009</b> , 616, 192-9	41
1199	Apigenin protects endothelium-dependent relaxation of rat aorta against oxidative stress. <b>2009</b> , 616, 200-5	58

1198	Association between oxidized LDL, obesity and type 2 diabetes in a population-based cohort, the Health, Aging and Body Composition Study. <b>2009</b> , 25, 733-9	103
1197	N-acetylcysteine prevents neointima formation in experimental venous bypass grafts. <b>2009</b> , 96, 941-50	10
1196	Low levels of the air pollutant 1-nitropyrene induce DNA damage, increased levels of reactive oxygen species and endoplasmic reticulum stress in human endothelial cells. <b>2009</b> , 262, 57-64	7 <sup>2</sup>
1195	Association of oxidative stress and paraoxonase status with PROCAM risk score. <b>2009</b> , 42, 617-23	10
1194	Pathogenesis and pathophysiology of accelerated atherosclerosis in the diabetic heart. <b>2009</b> , 331, 89-116	42
1193	Highlights from the I international symposium of thrombosis and anticoagulation in internal medicine, October 23-25, 2008, Sao Paulo, Brazil. <b>2009</b> , 28, 106-16	1
1192	Arsenic exposure and cardiovascular disorders: an overview. <b>2009</b> , 9, 169-76	103
1191	Fibulin-5, an integrin-binding matricellular protein: its function in development and disease. <b>2009</b> , 3, 337-47	104
1190	Emerging role of nitrite in myocardial protection. <b>2009</b> , 32, 1127-38	23
1189	Electrochemical quantification of reactive oxygen and nitrogen: challenges and opportunities. <b>2009</b> , 394, 95-105	59
1188	Hypoxic modulation of ca(2+) signaling in human venous and arterial endothelial cells. 2009, 227, 151-8	3
1187	Aminoguanidine inhibits aortic hydrogen peroxide production, VSMC NOX activity and hypercontractility in diabetic mice. <b>2009</b> , 8, 65	13
1186	The roles of ASK family proteins in stress responses and diseases. <b>2009</b> , 7, 9	136
1185	Cardiovascular risk factors and collateral artery formation. <b>2009</b> , 39, 1036-47	23
1184	Voluntary wheel running restores endothelial function in conduit arteries of old mice: direct	167
	evidence for reduced oxidative stress, increased superoxide dismutase activity and down-regulation of NADPH oxidase. <b>2009</b> , 587, 3271-85	
1183		117
1183 1182	down-regulation of NADPH oxidase. <b>2009</b> , 587, 3271-85  Effects of ageing and exercise training on eNOS uncoupling in skeletal muscle resistance arterioles.	,

# (2009-2009)

1180	Assessment of vascular effects of tamoxifen and its metabolites on the rat perfused hindquarter vascular bed. <b>2009</b> , 104, 400-7	16
1179	Role of nitrosative stress in the pathogenesis of diabetic vascular dysfunction. <b>2009</b> , 156, 713-27	130
1178	A new class of organic nitrates: investigations on bioactivation, tolerance and cross-tolerance phenomena. <b>2009</b> , 158, 510-20	29
1177	Dysfunction of endothelial and smooth muscle cells in small arteries of a mouse model of Marfan syndrome. <b>2009</b> , 158, 1597-608	28
1176	Cardiovascular changes in spontaneously hypertensive rats are improved by chronic treatment with zofenopril. <b>2009</b> , 158, 1911-21	19
1175	Endothelial dysfunction in aged humans is related with oxidative stress and vascular inflammation. <b>2009</b> , 8, 226-38	156
1174	Adult cervicocerebral artery dissection: a single-center study of 301 Finnish patients. 2009, 16, 656-61	37
1173	Association of von Willebrand factor activity with ACE I/D and MTHFR C677T polymorphisms in migraine. <b>2009</b> , 29, 960-8	27
1172	The role of exercise in minimizing postprandial oxidative stress in cigarette smokers. 2009, 11, 3-11	16
1171	Oral L-arginine supplementation in acute myocardial infarction therapy: a meta-analysis of randomized controlled trials. <b>2009</b> , 32, 649-52	18
1170	The vascular biology of hypertension and atherosclerosis and intervention with calcium antagonists and angiotensin-converting enzyme inhibitors. <b>2001</b> , 24, V1-5	9
1169	El inhibidor tisular de la metaloproteinasa-1 es un marcador temprano de disfunciñ endotelial en un modelo murino de lesiñ oxidativa venosa. <b>2009</b> , 23, 551-559	
1168	Vascular tone and regular physical exercise. <b>2009</b> , 35, 636-641	1
1167	Losartan-antioxidant hybrids: novel molecules for the prevention of hypertension-induced cardiovascular damage. <b>2009</b> , 52, 7220-7	33
1166	NADPH oxidase-dependent signaling in endothelial cells: role in physiology and pathophysiology. <b>2009</b> , 11, 791-810	310
1165	Cytochrome c oxidase III as a mechanism for apoptosis in heart failure following myocardial infarction. <b>2009</b> , 297, C928-34	25
1164	Hyperuricemia in acute heart failure. More than a simple spectator?. <b>2009</b> , 20, 74-9	28
1163	Up-regulation of thioredoxin interacting protein (Txnip) by p38 MAPK and FOXO1 contributes to the impaired thioredoxin activity and increased ROS in glucose-treated endothelial cells. <b>2009</b> , 381, 660-5	88

1162	Endothelial nitric oxide synthase activation contributes to post-exercise hypotension in spontaneously hypertensive rats. <b>2009</b> , 382, 711-4	11
1161	Pulsatile shear stress increased mitochondrial membrane potential: implication of Mn-SOD. <b>2009</b> , 388, 406-12	21
1160	Antioxidant and cardioprotective effects of Ilex brasiliensis: A comparative study with Ilex paraguariensis (yerba mate). <b>2009</b> , 42, 1403-1409	21
1159	eNOS, metabolic syndrome and cardiovascular disease. <b>2009</b> , 20, 295-302	261
1158	Nox4 mediates the expression of plasminogen activator inhibitor-1 via p38 MAPK pathway in cultured human endothelial cells. <b>2009</b> , 124, 439-46	41
1157	Whole-body basal nitric oxide production is impaired in postprandial endothelial dysfunction in healthy rats. <b>2009</b> , 21, 37-43	16
1156	Endothelial dysfunction in adiponectin deficiency and its mechanisms involved. <b>2009</b> , 46, 413-9	100
1155	Induction of PDE5 and de-sensitization to endogenous NO signaling in a systemic resistance artery under altered blood flow. <b>2009</b> , 47, 57-65	11
1154	Oxidative stress and cardiovascular disease: novel tools give (free) radical insight. <b>2009</b> , 47, 372-81	258
1153	Mechanistic insights into folic acid-dependent vascular protection: dihydrofolate reductase (DHFR)-mediated reduction in oxidant stress in endothelial cells and angiotensin II-infused mice: a novel HPLC-based fluorescent assay for DHFR activity. <b>2009</b> , 47, 752-60	75
1152	High glucose-induced oxidative stress alters estrogen effects on ERalpha and ERbeta in human endothelial cells: reversal by AMPK activator. <b>2009</b> , 117, 99-106	37
1151	Increased nitrotyrosine plasma levels in relation to systemic markers of inflammation and myeloperoxidase in chronic heart failure. <b>2009</b> , 135, 386-90	29
1150	Proteasome inhibition prevents experimentally-induced endothelial dysfunction. <b>2009</b> , 84, 929-34	25
1149	Actions of ethnobotanically selected Cree anti-diabetic plants on human cytochrome P450 isoforms and flavin-containing monooxygenase 3. <b>2009</b> , 126, 119-26	28
1148	Regulation of endothelial barrier function by reactive oxygen and nitrogen species. <b>2009</b> , 77, 26-34	117
1147	Dependence of cathepsin L-induced coronary endothelial dysfunction upon activation of NAD(P)H oxidase. <b>2009</b> , 78, 45-50	8
1146	NO/peroxynitrite dynamics of high glucose-exposed HUVECs: chemiluminescent measurement and computational model. <b>2009</b> , 78, 191-8	28
1145	Preserved endothelial-dependent and endothelial-independent skin vasodilator responses in relatives of type 1 diabetes patients. <b>2009</b> , 78, 253-5	3

1144	Future perspectives for the treatment of pulmonary arterial hypertension. <b>2009</b> , 54, S108-S117	50
1143	Acute exercise and impaired glucose tolerance in obese humans. <b>2009</b> , 3, 262-8	7
1142	Is nicotine a key player or spectator in the induction and progression of cardiovascular disorders?. <b>2009</b> , 60, 361-8	58
1141	Oxidative stress and metabolic changes after continuous positive airway pressure treatment according to previous metabolic disorders in sleep apnea-hypopnea syndrome patients. <b>2009</b> , 154, 111-21	29
1140	Effect of oral acetyl L-carnitine arginate on resting and postprandial blood biomarkers in pre-diabetics. <b>2009</b> , 6, 25	22
1139	Insulin Resistance. 2009,	
1138	Effects of ezetimibe add-on therapy for high-risk patients with dyslipidemia. 2009, 8, 41	24
1137	Effects of apple juice on risk factors of lipid profile, inflammation and coagulation, endothelial markers and atherosclerotic lesions in high cholesterolemic rabbits. <b>2009</b> , 8, 39	25
1136	Preserved coronary arteriolar dilatation in patients with type 2 diabetes mellitus: implications for reactive oxygen species. <b>2009</b> , 61, 99-104	15
1135	Determination of prooxidantantioxidant balance after acute coronary syndrome using a rapid assay: a pilot study. <b>2009</b> , 60, 657-62	22
1134	A guide to the management of blood pressure in the diabetic hypertensive patient. <b>2009</b> , 9, 149-62	7
1133	The biological relevance and measurement of plasma markers of oxidative stress in diabetes and cardiovascular disease. <b>2009</b> , 202, 321-9	182
1132	Inflammatory and thrombotic processes are associated with vascular dysfunction in children with familial hypercholesterolemia. <b>2009</b> , 204, 532-7	47
1131	Catechin prevents endothelial dysfunction in the prediabetic stage of OLETF rats by reducing vascular NADPH oxidase activity and expression. <b>2009</b> , 206, 47-53	46
1130	Gender differences in age-related endothelial function in the murine aorta. 2009, 206, 397-404	31
1129	Potentiation of vascular oxidative stress and nitric oxide-mediated endothelial dysfunction by high-fat diet in a mouse model of estrogen deficiency and hyperandrogenemia. <b>2009</b> , 3, 295-305	23
1128	Therapeutic development in cardiac syndrome X: a need to target the underlying pathophysiology. <b>2009</b> , 27, 49-58	22
1127	Nitrate tolerance as a model of vascular dysfunction: roles for mitochondrial aldehyde dehydrogenase and mitochondrial oxidative stress. <b>2009</b> , 61, 33-48	50

1126	Novel approaches to improving endothelium-dependent nitric oxide-mediated vasodilatation. <b>2009</b> , 61, 105-15	37
1125	Tissue inhibitor of metalloproteinase-1 is an early marker of acute endothelial dysfunction in a rodent model of venous oxidative injury. <b>2009</b> , 23, 498-505	10
1124	L'inhibiteur tissulaire de la mtalloprotinase-1 est un marqueur proce de dysfonction aiguil endothliale dans un modie de lie le longeur. <b>2009</b> , 23, 538-546	
1123	Effects of hyperglycemia on the modulation of vascular function by perivascular adipose tissue. <b>2009</b> , 27, 118-31	27
1122	The effect of nebivolol treatment on oxidative stress and antioxidant status in patients with cardiac syndrome-X. <b>2009</b> , 20, 238-4	25
1121	7-Difluoromethyl-5,4'-dimethoxygenistein, a novel genistein derivative, has therapeutic effects on atherosclerosis in a rabbit model. <b>2009</b> , 54, 412-20	9
<b>112</b> 0	Renal and vascular glutathione S-transferase mu is not affected by pharmacological intervention to reduce systolic blood pressure. <b>2009</b> , 27, 1575-84	8
1119	Impaired endothelial function may be due to decreased aortic tetrahydrobiopterin, assessed by a new flow-mediated vasodilation in vivo in hypercholesterolemic/atherogenic mice. <b>2009</b> , 20, 699-705	8
1118	New insights into the pleiotropic effects of statins for stroke prevention. <b>2009</b> , 9, 794-804	12
1117	Early lipopolysaccharide-induced reactive oxygen species production evokes necrotic cell death in human umbilical vein endothelial cells. <b>2009</b> , 27, 1202-16	74
1116	Plasma tetrahydrobiopterin/dihydrobiopterin ratio: a possible marker of endothelial dysfunction. <b>2009</b> , 73, 955-62	36
1115	Biochemical evidence of atherosclerosis progression mediated by increased oxidative stress in apolipoprotein E-deficient spontaneously hyperlipidemic mice exposed to chronic cigarette smoke. <b>2009</b> , 110, 354-61	38
1114	Myocardial protection by nitrite. <b>2009</b> , 83, 195-203	63
1113	Vitamins and cardiovascular disease. <b>2009</b> , 101, 1113-31	56
1112	Role of TNF-alpha in vascular dysfunction. <b>2009</b> , 116, 219-30	439
1111	Myeloperoxidase-mediated lipoprotein carbamylation as a mechanistic pathway for atherosclerotic vascular disease. <b>2009</b> , 116, 681-95	55
1110	Endothelial dysfunction is related to aldosterone excess and raised blood pressure. <b>2009</b> , 56, 553-9	47
1109	Evaluation of coronary endothelial function by catheter-type NO sensor in high-fat-diet-induced obese dogs. <b>2009</b> , 73, 562-7	9

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1108	Endothelial function and oxidative stress in cardiovascular diseases. <b>2009</b> , 73, 411-8	526
1107	Risk Factors. <b>2009</b> , 45-54	2
1106	Detrimental hemodynamic and inflammatory effects of microparticles originating from septic rats. <b>2009</b> , 37, 2045-50	79
1105	Pleiotropic effects of statinsclinical evidence. <b>2009</b> , 15, 479-89	117
1104	Psychomotor coordination and intelligence in childhood and health in adulthoodtesting the system integrity hypothesis. <b>2009</b> , 71, 675-81	23
1103	Targeting rho GTPases by peptidic structures. <b>2009</b> , 15, 2481-7	21
1102	B-type natriuretic peptide: endogenous regulator of myocardial structure, biomarker and therapeutic target. <b>2009</b> , 9, 814-25	28
1101	Molecular and biochemical changes of the cardiovascular system due to smoking exposure. <b>2009</b> , 15, 1038-53	60
1100	Antihypertensive effect of French maritime pine bark extract (Flavangenol): possible involvement of endothelial nitric oxide-dependent vasorelaxation. <b>2009</b> , 27, 92-101	21
1099	Nitric oxide dysfunction in vascular endothelium and platelets: role in essential hypertension. <b>2009</b> , 27, 2310-20	50
1098	The in vitro effects of Xancor, a synthetic astaxanthine derivative, on hemostatic biomarkers in aspirin-na\( \text{Q} e \) and aspirin-treated subjects with multiple risk factors for vascular disease. <b>2010</b> , 17, 125-32	8
1097	Smoking and endothelial progenitor cells: a revision of literature. <b>2010</b> , 16, 2559-66	25
1096	Vascular-targeting antioxidant therapy in a model of hypertension and stroke. <b>2010</b> , 56, 642-50	10
1095	Oxidative stress and endothelial dysfunction: say NO to cigarette smoking!. <b>2010</b> , 16, 2539-50	55
1094	Diabetes and vascular disease: basic concepts of nitric oxide physiology, endothelial dysfunction, oxidative stress and therapeutic possibilities. <b>2010</b> , 8, 526-44	38
1093	Effects of an extract obtained from fruits of Euterpe oleracea Mart. in the components of metabolic syndrome induced in C57BL/6J mice fed a high-fat diet. <b>2010</b> , 56, 619-26	31
1092	Improving vascular function in hypertension: potential benefits of combination therapy with amlodipine and renin-angiotensin-aldosterone system blockers. <b>2010</b> , 28, 2-8	11
1091	Regulation of nitric oxide production in health and disease. <b>2010</b> , 13, 97-104	209

1090	Resveratrol prevents endothelial dysfunction and aortic superoxide production after trauma hemorrhage through estrogen receptor-dependent hemeoxygenase-1 pathway. <b>2010</b> , 38, 1147-54	36
1089	Reduction of endothelial tight junction proteins is related to cerebral aneurysm formation in rats. <b>2010</b> , 28, 1883-91	55
1088	Obesity and arterial compliance alterations. <b>2010</b> , 8, 155-68	49
1087	Green tea catechins improve human forearm vascular function and have potent anti-inflammatory and anti-apoptotic effects in smokers. <b>2010</b> , 49, 2553-9	29
1086	Effects of chronic treatment with honokiol in spontaneously hypertensive rats. <b>2010</b> , 33, 427-31	25
1085	☑aluation de l[htff] nutritionnel d[solats de protînes de colza chez le rat et l⊞omme : application ^la prîvention du syndrome mtabolique. <b>2010</b> , 17, 325-332	
1084	Non-invasive vascular function tests: their pathophysiological background and clinical application. <b>2010</b> , 74, 24-33	218
1083	Combination therapy with olmesartan and azelnidipine improves EDHF-mediated responses in diabetic apolipoprotein E-deficient mice. <b>2010</b> , 74, 798-806	14
1082	Anti-Aging Medicine in Cardiovascular Disease. <b>2010</b> , 7, 45-49	
1081	Lack of effect of a high-calorie dextrose or maltodextrin meal on postprandial oxidative stress in healthy young men. <b>2010</b> , 20, 393-400	9
1080	Scavenging of nitric oxide by an antagonist of adenosine receptors. <b>2005</b> , 57, 399-404	10
1079	Reactive oxygen species and small-conductance calcium-dependent potassium channels are key mediators of inflammation-induced hypotension and shock. <b>2010</b> , 88, 921-30	21
1078	Quercetin restores plasma nitrite and nitroso species levels in renovascular hypertension. <b>2010</b> , 382, 293-301	36
1077	Effects of nebivolol therapy on endothelial functions in cardiac syndrome X. <b>2010</b> , 25, 92-6	24
1076	Prolonged pain to hospital time is associated with increased plasma advanced oxidation protein products and poor prognosis in patients with percutaneous coronary intervention for ST-elevation myocardial infarction. <b>2010</b> , 25, 374-8	16
1075	Scavenging free radicals improves endothelial dysfunction in human coronary arteries in vivo. <b>2010</b> , 25, 379-85	11
1074	Dietary enrichment with wild blueberries (Vaccinium angustifolium) affects the vascular reactivity in the aorta of young spontaneously hypertensive rats. <b>2010</b> , 21, 14-22	42
1073	Cardiovascular determinants of life span. <b>2010</b> , 459, 315-24	29

1072	Endothelial nitric oxide synthase transgenic models of endothelial dysfunction. <b>2010</b> , 460, 965-74	92
1071	The novel role of fenofibrate in preventing nicotine- and sodium arsenite-induced vascular endothelial dysfunction in the rat. <b>2010</b> , 10, 227-38	25
1070	Postgraduate Course: Integrating Basic Science into Clinical Practice. <b>2010</b> , 4, 1-85	78
1069	Bio-psychosocial determinants of cardiovascular disease in a rural population on Crete, Greece: formulating a hypothesis and designing the SPILI-III study. <b>2010</b> , 3, 258	6
1068	PPARalpha stimulation exerts a blood pressure lowering effect through different mechanisms in a time-dependent manner. <b>2010</b> , 627, 185-93	20
1067	Impaired calcium influx despite hyper-reactivity in contralateral carotid following balloon injury: eNOS involvement. <b>2010</b> , 642, 121-7	7
1066	Cigarette smoke-induced pulmonary endothelial dysfunction is partially suppressed by sildenafil. <b>2010</b> , 39, 363-72	22
1065	Intestinal Lactobacillus sp. is associated with some cellular and metabolic characteristics of blood in elderly people. <b>2010</b> , 16, 240-6	28
1064	Effect of olmesartan and pravastatin on experimental cerebral aneurysms in rats. <b>2010</b> , 1322, 144-52	32
1063	Xanthine oxidase-induced oxidative stress causes activation of NF-kappaB and inflammation in the liver of type I diabetic rats. <b>2010</b> , 49, 171-7	77
1062	Increased blood flow induces oxidative stress through an endothelium- and nitric oxide-independent mechanism. <b>2010</b> , 49, 301-5	4
1061	Role of oxidative stress in high-glucose- and diabetes-induced increased expression of Gq/11 <sup>1</sup> proteins and associated signaling in vascular smooth muscle cells. <b>2010</b> , 49, 1395-405	14
1060	Vasomotor dysfunction in the thoracic aorta of Marfan syndrome is associated with accumulation of oxidative stress. <b>2010</b> , 52, 37-45	52
1059	Perinatal changes in superoxide generation in the ovine lung: Alterations associated with increased pulmonary blood flow. <b>2010</b> , 53, 38-52	14
1058	Poly(ADP-ribose) polymerase inhibition reverses nitrergic neurovascular dysfunctions in penile erectile tissue from streptozotocin-diabetic mice. <b>2010</b> , 7, 3396-403	7
1057	Atherosclerosis, dementia, and Alzheimer disease in the Baltimore Longitudinal Study of Aging cohort. <b>2010</b> , 68, 231-40	131
1056	Effect of dietary selenium on the progression of heart failure in the ageing spontaneously hypertensive rat. <b>2010</b> , 54, 1436-44	30
1055	Nitric oxide mitigates apoptosis in human endothelial cells induced by 9,10-phenanthrenequinone: role of proteasomal function. <b>2010</b> , 268, 191-7	13

1054 Hypercholesterolemia and microvascular dysfunction: interventional strategies. <b>2010</b> , 7, 54	82
Beneficial effect of the oligomerized polyphenol oligonol on high glucose-induced changes in eNOS phosphorylation and dephosphorylation in endothelial cells. <b>2010</b> , 159, 928-38	22
1052 Microvascular responses to cardiovascular risk factors. <b>2010</b> , 17, 192-205	126
Beneficial effects of melatonin on cardiological alterations in a murine model of accelerated aging. <b>2010</b> , 49, 312-20	42
1050 Postprandial lipaemia, oxidative stress and endothelial function: a review. <b>2010</b> , 64, 389-403	79
Potential therapeutic applications of tetrahydrobiopterin: from inherited hyperphenylalaninemia to mitochondrial diseases. <b>2010</b> , 1201, 177-82	7
Possibility of the regression of atherosclerosis through the prevention of endothelial senescence by the regulation of nitric oxide and free radical scavengers. <b>2010</b> , 10, 115-30	13
1047 Role of nitric oxide and reactive oxygen species in the pathogenesis of preeclampsia. <b>2010</b> , 36, 239-47	98
1046 Brain cytokines as neuromodulators in cardiovascular control. <b>2010</b> , 37, e52-7	71
Endothelial function, blood pressure control, and risk modification: impact of irbesartan alone or in combination. <b>2010</b> , 3, 21-30	4
Myocardial Blood Flow Measurement: Evaluating Coronary Pathophysiology and Monitoring Therapy. <b>2010</b> , 506-527	1
Nitric oxide Ithe endothelium-derived relaxing factor and its role in endothelial functions. <b>2010</b> , $29,319-340$	95
1042 Free Radicals as Atherosclerotic Risk in Relation to Nitric Oxide. <b>2010</b> , 673-703	
1041 Nitric Oxide, Oxidative Stress, Immune Response and Critical Care. <b>2010</b> , 755-772	O
RGD-dependent binding of TP508 to integrin alphavbeta3 mediates cell adhesion and induction of nitric oxide. <b>2010</b> , 104, 172-82	2
Ultra-low microcurrent in the management of diabetes mellitus, hypertension and chronic wounds: report of twelve cases and discussion of mechanism of action. <b>2009</b> , 7, 29-35	31
Ezetimibe ameliorates metabolic disorders and microalbuminuria in patients with hypercholesterolemia. <b>2010</b> , 17, 173-80	34
Preventive effect of chronic endothelin type A receptor antagonist on coronary microvascular spasm induced by repeated epicardial coronary artery endothelial denudation in pigs. <b>2010</b> , 17, 54-63	6

1036	Influence of Vascular Oxidative Stress and Inflammation on the Development and Progression of Atherosclerosis. <b>2010</b> , 4, 521-534		7	
1035	Zyxin mediation of stretch-induced gene expression in human endothelial cells. <i>Circulation Research</i> , <b>2010</b> , 107, 898-902	5.7	38	
1034	Propionyl-L-carnitine improves postischemic blood flow recovery and arteriogenetic revascularization and reduces endothelial NADPH-oxidase 4-mediated superoxide production. <b>2010</b> , 30, 426-35		50	
1033	Nebivolol improves diastolic dysfunction and myocardial remodeling through reductions in oxidative stress in the Zucker obese rat. <b>2010</b> , 55, 880-8		97	
1032	Prolonged fasting does not increase oxidative damage or inflammation in postweaned northern elephant seal pups. <b>2010</b> , 213, 2524-30		60	
1031	Glutathione peroxidase-1 modulates lipopolysaccharide-induced adhesion molecule expression in endothelial cells by altering CD14 expression. <b>2010</b> , 24, 2525-32		29	
1030	Effect of oral isoflavone supplementation on vascular endothelial function in postmenopausal women: a meta-analysis of randomized placebo-controlled trials. <b>2010</b> , 91, 480-6		89	
1029	Differential microvasculature dysfunction in living kidney donor transplant recipients: nondialyzed versus dialyzed chronic kidney disease patients. <b>2010</b> , 47, 128-38		3	
1028	Superoxide generated by lysophosphatidylcholine induces endothelial nitric oxide synthase downregulation in human endothelial cells. <b>2010</b> , 25, 233-40		15	
1027	Upregulation of proteinase-activated receptor-2 and increased response to trypsin in endothelial cells after exposure to oxidative stress in rat aortas. <b>2010</b> , 47, 494-506		19	
1026	Shear stress and plaque development. <b>2010</b> , 8, 545-56		99	
1025	Atherogenic factors and their epigenetic relationships. <b>2010</b> , 2010, 437809		9	
1024	Pathological basis of symptoms and crises in sickle cell disorder: implications for counseling and psychotherapy. <b>2010</b> , 2, e2		33	
1023	Asymmetric dimethylarginine as a mediator of vascular dysfunction and a marker of cardiovascular disease and mortality: an intriguing interaction with diabetes mellitus. <b>2010</b> , 7, 105-18		101	
1022	Virgin Olive Oil and Blood Pressure in Hypertensive Elderly Subjects. <b>2010</b> , 807-812		1	
1021	Inhibitory Effect of Seabuckthorn (Hippophea rhamnoides) on Platelet Aggregation and Oxidative Stress. <b>2010</b> , 7,		1	
1020	High Density Lipoproteins, Dyslipidemia, and Coronary Heart Disease. <b>2010</b> ,		5	
1019	Resveratrol improves left ventricular diastolic relaxation in type 2 diabetes by inhibiting oxidative/nitrative stress: in vivo demonstration with magnetic resonance imaging. <b>2010</b> , 299, H985-94		91	

1018	Uric acid does not affect the acetylcholine-induced relaxation of aorta from normotensive and deoxycorticosterone acetate-salt hypertensive rats. <b>2010</b> , 333, 758-63	12
1017	Inflammation, vascular injury and repair in rheumatoid arthritis. <b>2010</b> , 69 Suppl 1, i57-60	38
1016	The NADPH oxidase subunit NOX4 is a new target gene of the hypoxia-inducible factor-1. <b>2010</b> , 21, 2087-96	202
1015	Oxidative status and lipid profile in metabolic syndrome: gender differences. <b>2010</b> , 8, 53-8	13
1014	Angiotensin II type 1 receptor-dependent oxidative stress mediates endothelial dysfunction in type 2 diabetic mice. <b>2010</b> , 13, 757-68	49
1013	Oxidative stress and endothelial dysfunction in aortas of aged spontaneously hypertensive rats by NOX1/2 is reversed by NADPH oxidase inhibition. <b>2010</b> , 56, 490-7	132
1012	Nox isoforms in vascular pathophysiology: insights from transgenic and knockout mouse models. <b>2010</b> , 15, 50-63	81
1011	No apparent correlation between Behät's disease and oxidative stress disturbance. <b>2010</b> , 44, 287-96	2
1010	Imatinib ameliorates fibrosis in uraemic cardiac disease in BALB/c without improving cardiac function. <b>2010</b> , 25, 1817-24	6
1009	Protection of vascular cells from oxidative stress by proteasome inhibition depends on Nrf2. <b>2010</b> , 85, 395-403	68
1008	Thiol-metabolizing proteins and endothelial redox state: differential modulation of eNOS and biopterin pathways. <b>2010</b> , 298, H194-201	21
1007	Short-term type 1 diabetes alters the mechanism of endothelium-dependent relaxation in the rat carotid artery. <b>2010</b> , 299, H502-11	29
1006	Role of reactive oxygen species in the progression of type 2 diabetes and atherosclerosis. <b>2010</b> , 2010, 453892	296
1005	Tetrahydrobiopterin and the regulation of hypoxic pulmonary vasoconstriction. <b>2010</b> , 36, 323-30	22
1004	Akt downregulation by flavin oxidase-induced ROS generation mediates dose-dependent endothelial cell damage elicited by natural antioxidants. <b>2010</b> , 114, 101-12	51
1003	Endothelial dysfunction is associated with increased levels of biomarkers in essential hypertension. <b>2010</b> , 24, 373-9	51
1002	Gender-specific effects of caloric restriction on the balance of vascular nitric oxide and superoxide radical. <b>2010</b> , 87, 751-9	12
1001	Acute hyperhomocysteinaemia blunts endothelial dependent and endothelial independent vasodilatation in diabetic patients. <b>2010</b> , 7, 186-94	3

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1000	Donkey's and goat's milk consumption and benefits to human health with special reference to the inflammatory status. <b>2010</b> , 16, 859-63	50
999	CXCR4-CXCL12-dependent inflammatory network and endothelial progenitors. <b>2010</b> , 17, 3019-29	17
998	Atorvastatin inhibits homocysteine-induced dysfunction and apoptosis in endothelial progenitor cells. <b>2010</b> , 31, 476-84	22
997	Arterial stiffness and functional properties in chronic kidney disease patients on different dialysis modalities: an exploratory study. <b>2010</b> , 25, 4031-41	21
996	Circulating microparticles from pulmonary hypertensive rats induce endothelial dysfunction. <b>2010</b> , 182, 261-8	73
995	Could Lymphocyte Caspase-3 Activity Predict Atherosclerotic Plaque Vulnerability?. <b>2010</b> , 29, 73-77	1
994	New hypotheses for the health-protective mechanisms of whole-grain cereals: what is beyond fibre?. <b>2010</b> , 23, 65-134	671
993	The Role of Mitochondrial Reactive Oxygen Species Formation for Age-Induced Vascular Dysfunction. <b>2010</b> , 237-257	2
992	Role of vasoactive peptides in high glucose-induced increased expression of GE/11 proteins and associated signaling in vascular smooth muscle cells. <b>2010</b> , 88, 331-40	3
991	The Role of Oxidative Stress in Endothelial Dysfunction and Vascular Inflammation. 2010, 705-754	7
990	Luteolin reduces high glucose-mediated impairment of endothelium-dependent relaxation in rat aorta by reducing oxidative stress. <b>2010</b> , 61, 281-7	61
989	Reactive oxygen species mediate functional differences in human radial and internal thoracic arteries from smokers. <b>2010</b> , 51, 438-44	18
988	Modulation of vascular sarco/endoplasmic reticulum calcium ATPase in cardiovascular pathophysiology. <b>2010</b> , 59, 165-95	36
987	Intracellular redox compartments: mechanisms and significances. <b>2010</b> , 13, 395-8	23
986	Cyanidin-3-O-glucoside protection against TNF-Hnduced endothelial dysfunction: involvement of nuclear factor- <b>B</b> signaling. <b>2010</b> , 58, 12048-54	96
985	Telmisartan improves endothelial dysfunction and renal autoregulation in Dahl salt-sensitive rats. <b>2010</b> , 33, 135-42	27
984	Methylglyoxal augments intracellular oxidative stress in human aortic endothelial cells. 2010, 44, 101-7	42
983	Tyrosine-lipid peroxide adducts from radical termination: para coupling and intramolecular Diels-Alder cyclization. <b>2010</b> , 132, 17490-500	26

982	Polyamine intake, dietary pattern, and cardiovascular disease. <b>2010</b> , 75, 299-301	37
981	Oxidative stress in response to high glucose levels in endothelial cells and in endothelial progenitor cells: evidence for differential glutathione peroxidase-1 expression. <b>2010</b> , 80, 332-8	40
980	Impact of high-density lipoprotein cholesterol level in patients with variant angina pectoris. <b>2010</b> , 140, 175-81	5
979	Ophiopogonin D prevents H2O2-induced injury in primary human umbilical vein endothelial cells. <b>2010</b> , 128, 438-45	79
978	Hepatic endothelial dysfunction and abnormal angiogenesis: new targets in the treatment of portal hypertension. <b>2010</b> , 53, 558-67	132
977	Protective effect of curcumin against intracerebral streptozotocin induced impairment in memory and cerebral blood flow. <b>2010</b> , 86, 87-94	57
976	Electrophilic nitro-fatty acids: anti-inflammatory mediators in the vascular compartment. <b>2010</b> , 10, 179-84	52
975	Insulin resistance, lipotoxicity and endothelial dysfunction. <b>2010</b> , 1801, 320-6	49
974	Protective effect of quercetin against intracerebral streptozotocin induced reduction in cerebral blood flow and impairment of memory in mice. <b>2010</b> , 209, 73-9	113
973	Nifedipine prevents vascular endothelial dysfunction in a mouse model of obesity and type 2 diabetes, by improving eNOS dysfunction and dephosphorylation. <b>2010</b> , 403, 258-63	24
972	Increased plasma xanthine oxidase activity is related to nuclear factor kappa beta activation and inflammatory markers in familial combined hyperlipidemia. <b>2010</b> , 20, 734-9	24
971	Upregulation of gp91phox subunit of NAD(P)H oxidase contributes to erectile dysfunction caused by long-term nitric oxide inhibition in rats: reversion by regular physical training. <b>2010</b> , 75, 961-7	34
970	Conversion of biliverdin to bilirubin by biliverdin reductase contributes to endothelial cell protection by heme oxygenase-1-evidence for direct and indirect antioxidant actions of bilirubin. <b>2010</b> , 49, 186-95	133
969	Engineering blood vessels using stem cells: innovative approaches to treat vascular disorders. <b>2010</b> , 8, 1433-45	27
968	Natural antioxidants and hypertension: promise and challenges. <b>2010</b> , 28, e20-32	106
967	Nutraceuticals in cardiovascular prevention: lessons from studies on endothelial function. <b>2010</b> , 28, 187-201	45
966	Investigation of the use of antioxidants to diminish the adverse effects of postnatal glucocorticoid treatment on mortality and cardiac development. <b>2010</b> , 98, 73-83	21
965	Modulation of Ca(2+) signalling in human vascular endothelial cells by hydrogen sulfide. <b>2010</b> , 209, 374-80	40

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964	Pioglitazone improves endothelium-dependent vasodilation in hypertensive patients with impaired glucose tolerance in part through a decrease in oxidative stress. <b>2010</b> , 210, 521-4	12
963	Acetylcholinesterase inhibitors attenuate atherogenesis in apolipoprotein E-knockout mice. <b>2010</b> , 213, 52-8	30
962	Principles of Pulmonary Protection in Heart Surgery. <b>2010</b> ,	1
961	AMPK in cardiovascular health and disease. <b>2010</b> , 31, 1075-84	84
960	National Institute of Allergy and Infectious Diseases, NIH. <b>2010</b> ,	
959	The impact of acute moderate intensity exercise on arterial regional stiffness, lipid peroxidation, and antioxidant status in healthy males. <b>2011</b> , 19, 1-13	17
958	Endothelial activation and circulating markers of endothelial activation in kidney disease. 2010, 6, 404-14	100
957	Integrative investigation of lipidome and signal pathways in human endothelial cells under oxidative stress. <b>2011</b> , 7, 2428-40	16
956	Antihypertensive and cardiovascular effects of catechin-rich oil palm (Elaeis guineensis) leaf extract in nitric oxide-deficient rats. <b>2011</b> , 14, 775-83	23
955	Oxidized low-density lipoprotein activates p66Shc via lectin-like oxidized low-density lipoprotein receptor-1, protein kinase C-beta, and c-Jun N-terminal kinase kinase in human endothelial cells. <b>2011</b> , 31, 2090-7	79
954	Glutathione peroxidase-1 in health and disease: from molecular mechanisms to therapeutic opportunities. <b>2011</b> , 15, 1957-97	605
953	HZE <b>B</b> e-ion irradiation induces endothelial dysfunction in rat aorta: role of xanthine oxidase. <b>2011</b> , 176, 474-85	48
952	Signaling in Atherosclerosis. <b>2011</b> , 371-403	
951	Relative contributions of mitochondria and NADPH oxidase to deoxycorticosterone acetate-salt hypertension in mice. <b>2011</b> , 80, 51-60	31
950	Regulation of Endothelial Barrier Function. <b>2011</b> , 3, 1-146	21
949	Antioxidants to enhance fertility: role of eNOS and potential benefits. <b>2011</b> , 64, 431-7	17
948	Single molecule detection of nitric oxide enabled by d(AT)15 DNA adsorbed to near infrared fluorescent single-walled carbon nanotubes. <b>2011</b> , 133, 567-81	140
947	Genetic predictors of response to photodynamictherapy. <b>2011</b> , 15, 195-210	7

946	Free Radicals Cardiovascular Diseases: An Update. <b>2011</b> , 1, 17-22	8
945	Lycopene attenuates endothelial dysfunction in streptozotocin-induced diabetic rats by reducing oxidative stress. <b>2011</b> , 49, 1144-9	36
944	Disfuncifi endotelial asociada al envejecimiento vascular humano. <b>2011</b> , 23, 135-139	
943	Environmental and occupational exposure to lead as a potential risk factor for cardiovascular disease. <b>2011</b> , 31, 267-77	51
942	Microalbuminuria, indicated by total versus immunoreactive urinary albumins, in acute ischemic stroke patients. <b>2011</b> , 20, 510-6	10
941	Early hypercholesterolemia contributes to vasomotor dysfunction and injury associated atherogenesis that can be inhibited by nitric oxide. <b>2011</b> , 53, 754-63	24
940	Flow-mediated vasodilation is augmented in a corkscrew collateral artery compared with that in a native artery in patients with thromboangiitis obliterans (Buerger disease). <b>2011</b> , 54, 1689-97	3
939	The aqueous extract of Terminalia superba (Combretaceae) prevents glucose-induced hypertension in rats. <b>2011</b> , 133, 828-33	13
938	Tempol administration, a superoxide dismutase mimetic, reduces hepatic vascular resistance and portal pressure in cirrhotic rats. <b>2011</b> , 54, 660-5	33
937	Nitrite-generated nitric oxide to protect against intimal hyperplasia formation. <b>2011</b> , 21, 157-62	14
936	Effect of angiotensin II and its receptor antagonists on human corpus cavernous contractility and oxidative stress: modulation of nitric oxide mediated relaxation. <b>2011</b> , 185, 2414-20	12
935	High phosphate diet reduces atherosclerosis formation in apolipoprotein E-deficient mice. <b>2011</b> , 49, 109-14	4
934	Mathematical and computational models of oxidative and nitrosative stress. <b>2011</b> , 39, 461-72	13
933	Regional Circulation. <b>2011</b> , 217-233	
932	Increased reactive oxygen metabolites is associated with cardiovascular risk factors and vascular endothelial damage in middle-aged Japanese subjects. <b>2011</b> , 7, 475-82	29
931	Oxidative stress in hypertensive patients induces an increased contractility in vein grafts independent of endothelial function. <b>2011</b> , 2011, 902129	3
930	Prostatic disease and sexual dysfunction. <b>2011</b> , 52, 373-8	9
929	Reactive oxygen species-induced impairment of endothelium-dependent relaxations in rat aortic rings: protection by methanolic extracts of Phoebe grandis. <b>2011</b> , 16, 2990-3000	3

928	Ezetimibe and vascular inflammation. <b>2011</b> , 9, 99-108	7
927	Targeted antioxidant therapies in hyperglycemia-mediated endothelial dysfunction. <b>2011</b> , 3, 709-29	25
926	Ezetimibe monotherapy ameliorates vascular function in patients with hypercholesterolemia through decreasing oxidative stress. <b>2011</b> , 18, 1080-9	26
925	Pulmonary oxidative stress is increased in cyclooxygenase-2 knockdown mice with mild pulmonary hypertension induced by monocrotaline. <b>2011</b> , 6, e23439	41
924	Association of serum 8-hydroxy-2'-deoxyguanosine levels with the presence and severity of coronary artery disease. <b>2011</b> , 22, 223-7	24
923	Antioxidant status and levels of antioxidant vitamins in coronary artery ectasia. <b>2011</b> , 22, 306-10	6
922	Exercise reverses metabolic syndrome in high-fat diet-induced obese rats. 2011, 43, 398-407	58
921	Apoptosis signal-regulating kinase 1 deficiency eliminates cardiovascular injuries induced by high-salt diet. <b>2011</b> , 29, 76-84	12
920	Atorvastatin worsens left ventricular diastolic dysfunction and endothelial dysfunction of epicardial coronary arteries in normocholesterolemic porcine with left ventricular hypertrophy. <b>2011</b> , 58, 295-306	4
919	Novel mechanism of salt-induced glomerular injury: critical role of eNOS and angiotensin II. <b>2011</b> , 29, 1528-35	11
918	Thioredoxin reductase inhibition reduces relaxation by increasing oxidative stress and s-nitrosylation in mouse aorta. <b>2011</b> , 58, 522-7	20
917	The Role of Oxidative Stress in Smoking-Related Diseases. <b>2011</b> , 8, 360-371	16
916	Ezetimibe and reactive oxygen species. <b>2011</b> , 9, 109-20	5
915	Health Benefits of Honey: Implications for Treating Cardiovascular Diseases. <b>2011</b> , 7, 232-252	5
914	Flow-mediated dilatation of the brachial artery is a poorly reproducible indicator of microvascular function in Type I diabetes mellitus. <b>2011</b> , 104, 589-97	4
913	Cardiovascular risk and endothelial dysfunction: the preferential route for atherosclerosis. <b>2011</b> , 12, 1343-53	35
912	Critical determinants of cardiovascular risk in rheumatoid arthritis. <b>2011</b> , 17, 21-6	16
911	Endothelial function and the effects of aldosterone blockade. <b>2011</b> , 13, B21-B26	1

910	Targeting the arrhythmogenic substrate in atrial fibrillation: focus on structural remodeling. <b>2011</b> , 12, 263-86	7
909	Caloric restriction increases free radicals and inducible nitric oxide synthase expression in mice infected with Salmonella Typhimurium. <b>2011</b> , 31, 273-82	5
908	The forgotten face of regular physical exercise: a 'natural' anti-atherogenic activity. <b>2011</b> , 121, 91-106	103
907	Pathophysiological roles of NADPH oxidase/nox family proteins in the vascular systemReview and perspective <b>2011</b> , 75, 1791-800	67
906	Pharmacology in health foods: improvement of vascular endothelial function by French maritime pine bark extract (Flavangenol). <b>2011</b> , 115, 461-5	15
905	Oxidized low-density lipoprotein and atherosclerosis implications in antioxidant therapy. <b>2011</b> , 342, 135-42	137
904	Reactive oxygen species cause endothelial dysfunction in chronic flow overload. <b>2011</b> , 110, 520-7	23
903	Oxidative stress biomarkers in urine and plasma of rabbits with partial bladder outlet obstruction. <b>2011</b> , 107, 1839-43	16
902	Rho kinase inhibition by fasudil exerts antioxidant effects in hypercholesterolemic rats. <b>2011</b> , 38, 688-94	24
901	Habitually exercising older men do not demonstrate age-associated vascular endothelial oxidative stress. <b>2011</b> , 10, 1032-7	82
900	Insufficient nitric oxide bioavailability: a hypothesis to explain adverse effects of red blood cell transfusion. <b>2011</b> , 51, 859-66	51
899	Ramipril retards development of aortic valve stenosis in a rabbit model: mechanistic considerations. <b>2011</b> , 162, 722-32	30
898	Vascular responses to 8-nitro-cyclic GMP in non-diabetic and diabetic mice. <b>2011</b> , 162, 1884-93	7
897	Chronic treatment with angiotensin-(1-7) improves renal endothelial dysfunction in apolipoproteinE-deficient mice. <b>2011</b> , 163, 974-83	42
896	Increased availability of angiotensin AT 1 receptors leads to sustained arterial constriction to angiotensin II in diabetes - role for Rho-kinase activation. <b>2011</b> , 163, 1059-68	24
895	Decreased production of neuronal NOS-derived hydrogen peroxide contributes to endothelial dysfunction in atherosclerosis. <b>2011</b> , 164, 1738-48	47
894	Dehydroepiandrosterone protects against oxidative stress-induced endothelial dysfunction in ovariectomized rats. <b>2011</b> , 589, 2585-96	50
893	Regulation of the functional and mechanical properties of platelet and red blood cells by nitric oxide donors. <b>2011</b> , 56, 237-242	9

# (2011-2011)

892	Association between oxidative stress and masked hypertension in a multi-ethnic population of obese children and adolescents. <b>2011</b> , 158, 628-633.e1	39
891	The role of 20-HETE in androgen-mediated hypertension. <b>2011</b> , 96, 45-53	60
890	Vascular aspects of multiple sclerosis. <b>2011</b> , 10, 657-66	158
889	Betulinic acid ameliorates endothelium-dependent relaxation in L-NAME-induced hypertensive rats by reducing oxidative stress. <b>2011</b> , 44, 385-91	41
888	Cellular prion protein (PrP(C)) and superoxide dismutase (SOD) in vascular cells under oxidative stress. <b>2011</b> , 63, 229-36	15
887	The role of oxidative stress in the developmental origin of adult hypertension. <b>2011</b> , 205, 155.e7-11	11
886	Sodium nitrite downregulates vascular NADPH oxidase and exerts antihypertensive effects in hypertension. <b>2011</b> , 51, 144-52	110
885	Xanthine oxidoreductase: a journey from purine metabolism to cardiovascular excitation-contraction coupling. <b>2011</b> , 31, 264-80	64
884	Novel nitric oxide synthase inhibitors: a patent review. <b>2011</b> , 21, 537-60	31
883	ANG II type I receptor antagonism improved nitric oxide production and enhanced eNOS and PKB/Akt expression in hearts from a rat model of insulin resistance. <b>2011</b> , 349, 21-31	27
882	Clinical correlates of endothelial function in chronic heart failure. <b>2011</b> , 100, 515-21	31
881	Antiproliferative effect of estrogen in vascular smooth muscle cells is mediated by Kruppel-like factor-4 and manganese superoxide dismutase. <b>2011</b> , 106, 563-75	27
880	Therapeutic neovascularization for coronary disease: current state and future prospects. <b>2011</b> , 106, 897-909	39
879	Differential effects of heart rate reduction with ivabradine in two models of endothelial dysfunction and oxidative stress. <b>2011</b> , 106, 1147-58	28
878	Dietary anthocyanins protect endothelial cells against peroxynitrite-induced mitochondrial apoptosis pathway and Bax nuclear translocation: an in vitro approach. <b>2011</b> , 16, 976-89	51
877	Plasma total nitric oxide and endothelial constitutive nitric oxide synthase (ecNOS) gene polymorphism: a study in a South Indian population. <b>2011</b> , 49, 96-103	5
876	Antioxidant and vascular protective effects of curcumin and tetrahydrocurcumin in rats with L-NAME-induced hypertension. <b>2011</b> , 383, 519-29	99
875	Homocysteine induces oxidative-nitrative stress in heart of rats: prevention by folic acid. <b>2011</b> , 11, 67-73	58

874	Glycated Collagen Impairs Endothelial Cell Response to Cyclic Stretch. 2011, 4, 220-230	9
873	Genetic polymorphisms influence runners' responses to the dietary ingestion of antioxidant supplementation based on pequi oil (Caryocar brasiliense Camb.): a before-after study. <b>2011</b> , 6, 369-95	11
872	Simvastatin therapy reduces prooxidant-antioxidant balance: results of a placebo-controlled cross-over trial. <b>2011</b> , 46, 333-40	111
871	Acute reduction of serum 8-iso-PGF2-alpha and advanced oxidation protein products in vivo by a polyphenol-rich beverage; a pilot clinical study with phytochemical and in vitro antioxidant characterization. <b>2011</b> , 10, 67	20
870	Endothelial dysfunction in the apolipoprotein E-deficient mouse: insights into the influence of diet, gender and aging. <b>2011</b> , 10, 211	83
869	Tumor-induced endothelial cell apoptosis: roles of NAD(P)H oxidase-derived reactive oxygen species. <b>2011</b> , 226, 1750-62	18
868	Paraoxonase 1 gene polymorphisms, paraoxonase/arylesterase activities and oxidized low-density lipoprotein levels in patients with migraine. <b>2011</b> , 29, 549-54	13
867	High LDL levels are associated with increased lipoprotein-associated phospholipase A(2) activity on nitric oxide synthesis and reactive oxygen species formation in human endothelial cells. <b>2011</b> , 44, 171-7	11
866	Association of serum bilirubin levels with albuminuria in patients with essential hypertension. <b>2011</b> , 44, 859-63	5
865	Effect of the traditional Chinese medicine tongxinluo on endothelial dysfunction rats studied by using urinary metabonomics based on liquid chromatography-mass spectrometry. <b>2011</b> , 56, 86-92	47
864	Glycated collagen alters endothelial cell actin alignment and nitric oxide release in response to fluid shear stress. <b>2011</b> , 44, 1927-35	43
863	Elevated oxidative stress and endothelial dysfunction in right coronary artery of right ventricular hypertrophy. <b>2011</b> , 110, 1674-81	19
862	Pediatric pulmonary arterial hypertension: current and emerging therapeutic options. <b>2011</b> , 12, 1845-64	3
861	Advances in the management of pediatric pulmonary hypertension. <b>2011</b> , 56, 1314-39; discussion 1339-40	32
860	The role of mild systemic heat and physical activity on endothelial function in patients with increased cardiovascular risk: results from a systematic review. <b>2011</b> , 18, 24-30	14
859	A molecular switch of "yin and yang": S-glutathionylation of eNOS turns off NO synthesis and turns on superoxide generation. <b>2011</b> , 32, 415-6	3
858	Dietary iron restriction prevents hypertensive cardiovascular remodeling in Dahl salt-sensitive rats. <b>2011</b> , 57, 497-504	39
857	Innate immune activity in plaque of patients with untreated and L-thyroxine-treated subclinical hypothyroidism. <b>2011</b> , 96, 1015-20	52

856	Vascular dementia: atherosclerosis, cognition and Alzheimer's disease. <b>2011</b> , 8, 341-4	14
855	The mitochondrial paradigm for cardiovascular disease susceptibility and cellular function: a complementary concept to Mendelian genetics. <b>2011</b> , 91, 1122-35	43
854	Oxidative Damage of Cardiovascular System in Rats Following Lead Exposure. <b>2011</b> , 50-51, 987-991	
853	Redox regulation of endothelial canonical transient receptor potential channels. <b>2011</b> , 15, 1567-82	33
852	Studies on Experimental Models. 2011,	
851	Nitric oxide modulates reactivity to angiotensin II in internal mammary arterial grafts in hypertensive patients without associated risk factors. <b>2011</b> , 33, 27-33	9
850	Dietary fish oil modestly attenuates the effect of age on diastolic function but has no effect on memory or brain inflammation in aged rats. <b>2011</b> , 66, 521-33	8
849	Arginine and aerobic training prevent endothelial and metabolic alterations in rats at high risk for the development of the metabolic syndrome. <b>2017</b> , 118, 1-10	8
848	Haptoglobin 2-2 Genotype, Patient, and Graft Survival in Renal Transplant Recipients. <b>2017</b> , 27, 386-391	
847	AFM-based detection of glycocalyx degradation and endothelial stiffening in the db/db mouse model of diabetes. <b>2017</b> , 7, 15951	28
846	Organoselenium compounds as mimics of selenoproteins and thiol modifier agents. 2017, 9, 1703-1734	83
845	Differential cell-matrix mechanoadaptations and inflammation drive regional propensities to aortic fibrosis, aneurysm or dissection in hypertension. <b>2017</b> , 14,	62
844	Lectin-like oxidized low-density lipoprotein receptor-1 promotes endothelial dysfunction in LDL receptor knockout background. <b>2017</b> , 30, 294-302	11
843	Coronary microvascular dysfunction in diabetes mellitus. <b>2017</b> , 45, 1901-1929	59
842	Revisiting the mechanisms of ACE inhibitory peptides from food proteins. <b>2017</b> , 69, 214-219	87
841	Palmitoylethanolamide and Polydatin combination reduces inflammation and oxidative stress in vascular injury. <b>2017</b> , 123, 83-92	43
840	Investigation of highly expressed PCSK9 in atherosclerotic plaques and ox-LDL-induced endothelial cell apoptosis. <b>2017</b> , 16, 1817-1825	29
839	Genetic Deletion of NADPH Oxidase 1 Rescues Microvascular Function in Mice With Metabolic Disease. <i>Circulation Research</i> , <b>2017</b> , 121, 502-511	20

838	Polycystic ovarian syndrome-associated cardiovascular complications: An overview of the association between the biochemical markers and potential strategies for their prevention and elimination. <b>2017</b> , 11 Suppl 2, S841-S851	8
837	PDE2 at the crossway between cAMP and cGMP signalling in the heart. <b>2017</b> , 38, 76-84	31
836	Association between blood lead and blood pressure: a population-based study in Brazilian adults. <b>2017</b> , 16, 27	26
835	Regulation of Transcription Factors by Reactive Oxygen Species and Nitric Oxide in Vascular Physiology and Pathology. <b>2017</b> , 26, 679-699	17
834	Role of endoplasmic reticulum stress signalling in diabetic endothelial dysfunction and atherosclerosis. <b>2017</b> , 14, 14-23	52
833	Advanced oxidation protein products induce chondrocyte death through a redox-dependent, poly (ADP-ribose) polymerase-1-mediated pathway. <b>2017</b> , 22, 86-97	4
832	Redox regulation of transient receptor potential channels in the endothelium. 2017, 24, e12329	21
831	Endothelial progenitor cells dysfunction and impaired tissue reparation: The missed link in diabetes mellitus development. <b>2017</b> , 11, 215-220	18
830	Hydrogen Sulfide Improves Myocardial Remodeling via Downregulated Angiotensin II/AT1R Pathway in Renovascular Hypertensive Rats. <b>2017</b> , 30, 67-74	21
829	The Role of Calcium-Sensing Receptors in Endothelin-1-Dependent Effects on Adult Rat Ventricular Cardiomyocytes: Possible Contribution to Adaptive Myocardial Hypertrophy. <b>2017</b> , 232, 2508-2518	2
828	Endothelial dysfunction of internal thoracic artery graft in patients with chronic kidney disease. <b>2017</b> , 153, 317-324.e1	7
827	Effect of uric acid-lowering therapy on blood pressure: systematic review and meta-analysis. <b>2017</b> , 49, 142-156	43
826	Superoxide anion generation and oxidative stress in methylmercury-induced endothelial toxicity in vitro. <b>2017</b> , 38, 19-26	12
825	Systemic endothelial function measured by flow-mediated dilation is impaired in patients with urolithiasis. <b>2017</b> , 45, 545-552	4
824	Reduction of Arterial Stiffness After Kidney Transplantation: A Systematic Review and Meta-Analysis. <b>2017</b> , 6,	11
823	The protective role of estrogen and estrogen receptors in cardiovascular disease and the controversial use of estrogen therapy. <b>2017</b> , 8, 33	236
822	MicroRNA-31 promotes adverse cardiac remodeling and dysfunction in ischemic heart disease. <b>2017</b> , 112, 27-39	35
821	Synthesis and pharmacological activity of diorganoantimony(III) and triorganoantimony(V) derivatives of Schiff bases derived from amino acids. <b>2017</b> , 21, 67-75	3

820	Preconditioned Endothelial Progenitor Cells as Biomarker of Vascular Reparation?. 2017, 02,	1
819	To Breathe or Not to Breathe: Oxygen with Two Faces. <b>2017</b> , 06,	
818	The Future Challenge of Reactive Oxygen Species (ROS) in Hypertension: From Bench to Bed Side. <b>2017</b> , 18,	51
817	Antithrombotic Effect and Mechanism of Radix Paeoniae Rubra. <b>2017</b> , 2017, 9475074	41
816	Mechanisms of Endothelial Protection by Natural Bioactive Compounds from Fruit and Vegetables. <b>2017</b> , 89, 615-633	21
815	Silencing Of Circular RNA-ZNF609 Ameliorates Vascular Endothelial Dysfunction. <b>2017</b> , 7, 2863-2877	156
814	Swimming training prevents coronary endothelial dysfunction in ovariectomized spontaneously hypertensive rats. <b>2017</b> , 50, e5495	11
813	Reduced Dietary Selenium Impairs Vascular Function by Increasing Oxidative Stress in Sprague-Dawley Rat Aortas. <b>2017</b> , 14,	13
812	State of the Art on Functional Virgin Olive Oils Enriched with Bioactive Compounds and Their Properties. <b>2017</b> , 18,	60
811	Endoplasmic Reticulum Stress and Oxidative Stress: A Vicious Nexus Implicated in Bowel Disease Pathophysiology. <b>2017</b> , 18,	119
810	Acute Exposure to Cigarette Smoking Followed by Myocardial Infarction Aggravates Renal Damage in an Mouse Model. <b>2017</b> , 2017, 5135241	7
809	The Transcription Factor Nrf2 Protects Angiogenic Capacity of Endothelial Colony-Forming Cells in High-Oxygen Radical Stress Conditions. <b>2017</b> , 2017, 4680612	15
808	Paricalcitol Pretreatment Attenuates Renal Ischemia-Reperfusion Injury via Prostaglandin E Receptor EP4 Pathway. <b>2017</b> , 2017, 5031926	8
807	The Protective Effect of Indole-3-Acetic Acid (IAA) on HO-Damaged Human Dental Pulp Stem Cells Is Mediated by the AKT Pathway and Involves Increased Expression of the Transcription Factor Nuclear Factor-Erythroid 2-Related Factor 2 (Nrf2) and Its Downstream Target Heme Oxygenase 1	10
806	The Effect of On-Pump and Off-Pump Bypass Operations on Oxidative Damage and Antioxidant Parameters. <b>2017</b> , 2017, 8271376	4
805	Aging: Molecular Pathways and Implications on the Cardiovascular System. <b>2017</b> , 2017, 7941563	43
804	The Antioxidant Machinery of Young and Senescent Human Umbilical Vein Endothelial Cells and Their Microvesicles. <b>2017</b> , 2017, 7094781	18
803	Interaction of IL-6 and TNF- <del>L</del> eontributes to endothelial dysfunction in type 2 diabetic mouse hearts. <b>2017</b> , 12, e0187189	46

802	Association of Subjective and Objective Sleep Duration as well as Sleep Quality with Non-Invasive Markers of Sub-Clinical Cardiovascular Disease (CVD): A Systematic Review. <b>2017</b> , 24, 208-226	51
801	Role of free fatty acids in endothelial dysfunction. <b>2017</b> , 24, 50	154
800	Role of endoplasmic reticulum stress in the protective effects of PPAR/Lactivation on endothelial dysfunction induced by plasma from patients with lupus. <b>2017</b> , 19, 268	6
799	Antioxidant and vasorelaxant activities induced by northeastern Brazilian fermented grape skins. <b>2017</b> , 17, 376	7
798	Oral Administration of Glucosamine Improves Vascular Endothelial Function by Modulating Intracellular Redox State. <b>2017</b> , 58, 926-932	13
797	Epigenetic mechanisms underlying maternal diabetes-associated risk of congenital heart disease. <b>2017</b> , 2,	33
796	EFFECT OFSALIX TETRASPERMAROXBUGH ON FRUCTOSE INDUCED HYPERTENSION IN RATS. <b>2017</b> , 9, 243	
795	Selective Inhibition of Phosphodiesterases 4A, B, C and D Isoforms in Chronic Respiratory Diseases: Current and Future Evidences. <b>2017</b> , 23, 2073-2083	19
794	Intravenous administration of piceatannol, an arginase inhibitor, improves endothelial dysfunction in aged mice. <b>2017</b> , 21, 83-90	5
793	Gender-dimorphic effects of adipose-derived stromal vascular fractions on HUVECs exposed to oxidative stress. <b>2017</b> , 14, 911-919	6
792	Maturation of arteriovenous fistula: Analysis of key factors. <b>2017</b> , 36, 318-328	31
791	Expression of key enzymes in the mevalonate pathway are altered in monocrotaline-induced pulmonary arterial hypertension in rats. <b>2017</b> , 16, 9593-9600	O
790	COPD as an endothelial disorder: endothelial injury linking lesions in the lungs and other organs? (2017 Grover Conference Series). <b>2018</b> , 8, 2045894018758528	61
789	Raman Imaging of Biomedical Samples. <b>2018</b> , 307-346	2
788	5-HT6 receptor agonist and antagonist modulates ICV-STZ-induced memory impairment in rats. <b>2018</b> , 235, 1557-1570	14
787	Regulation of Kir2.1 Function Under Shear Stress and Cholesterol Loading. 2018, 7,	3
786	Endothelial Protective Effects of Dietary Phytochemicals: Focus on Polyphenols and Carotenoids. <b>2018</b> , 323-350	Ο
7 <sup>8</sup> 5	Endothelial cell dysfunction and glycocalyx - A vicious circle. <b>2018</b> , 71-72, 421-431	69

## (2018-2018)

784	Dietary polyphenols: Structures, bioavailability and protective effects against atherosclerosis. <b>2018</b> , 113, 49-65	148
7 <sup>8</sup> 3	Vascular endothelium dysfunction: a conservative target in metabolic disorders. <b>2018</b> , 67, 391-405	73
782	3',4'-dihydroxyflavonol ameliorates endoplasmic reticulum stress-induced apoptosis and endothelial dysfunction in mice. <b>2018</b> , 8, 1818	10
781	N-acetyl-L-cysteine improves bone marrow endothelial progenitor cells in prolonged isolated thrombocytopenia patients post allogeneic hematopoietic stem cell transplantation. <b>2018</b> , 93, 931-942	16
7 <sup>8</sup> 0	From folk medicine to functional food: a review on the bioactive components and pharmacological properties of citrus peels. <b>2018</b> , 18, 9-20	17
779	Regulates Vascular Function and Endothelial Cells Behavior. <b>2018</b> , 71, 507-517	21
778	Phenolic Compounds as Arginase Inhibitors: New Insights Regarding Endothelial Dysfunction Treatment. <b>2018</b> , 84, 277-295	18
777	Arterial Stiffness Is Associated With QTc Interval Prolongation in Patients With Heart Failure. <b>2018</b> , 20, 255-263	2
776	Replacing carbohydrate during a glucose challenge with the egg white portion or whole eggs protects against postprandial impairments in vascular endothelial function in prediabetic men by limiting increases in glycaemia and lipid peroxidation. <b>2018</b> , 119, 259-270	10
775	ACE2-EPC-EXs protect ageing ECs against hypoxia/reoxygenation-induced injury through the miR-18a/Nox2/ROS pathway. <b>2018</b> , 22, 1873-1882	40
774	Accelerated Endothelial to Mesenchymal Transition Increased Fibrosis via Deleting Notch Signaling in Wound Vasculature. <b>2018</b> , 138, 1166-1175	16
773	Treatment of coenzyme Q10 for 24 weeks improves lipid and glycemic profile in dyslipidemic individuals. <b>2018</b> , 12, 417-427.e5	25
77 <sup>2</sup>	The influence of febuxostat on coronary artery endothelial dysfunction in patients with coronary artery disease: A phase 4 randomized, placebo-controlled, double-blind, crossover trial. <b>2018</b> , 197, 85-93	11
771	Effects of aqueous leaf extract of Tridax procumbens on contractile activity of corpus cavernosum in N-nitro-l-arginine methyl ester-induced hypertensive male rats. <b>2018</b> , 16, 51-56	3
<i>77</i> 0	Akt2 (Protein Kinase B Beta) Stabilizes ATP7A, a Copper Transporter for Extracellular Superoxide Dismutase, in Vascular Smooth Muscle: Novel Mechanism to Limit Endothelial Dysfunction in Type 2 Diabetes Mellitus. <b>2018</b> , 38, 529-541	20
769	The association between oxidative stress and endothelial dysfunction in early childhood patients with Kawasaki disease. <b>2018</b> , 18, 30	18
768	The uremic toxin hippurate promotes endothelial dysfunction via the activation of Drp1-mediated mitochondrial fission. <b>2018</b> , 16, 303-313	40
767	Endothelial dysfunction and menopause: is exercise an effective countermeasure?. <b>2018</b> , 21, 267-275	11

766	Effects of Exercise on Vascular Function, Structure, and Health in Humans. 2018, 8,	51
765	Drug-Free ROS Sponge Polymeric Microspheres Reduce Tissue Damage from Ischemic and Mechanical Injury. <b>2018</b> , 4, 1251-1264	29
764	Vitamin C Deficiency, High-Sensitivity C-Reactive Protein, and Cardiac Event-Free Survival in Patients With Heart Failure. <b>2018</b> , 33, 6-12	11
763	Vascular Stem/Progenitor Cell Migration and Differentiation in Atherosclerosis. 2018, 29, 219-235	21
762	Immunometabolic Regulation of Vascular Redox State: The Role of Adipose Tissue. <b>2018</b> , 29, 313-336	17
761	Optimizing endothelial cell functionalization for cell therapy of vascular proliferative disease using a direct contact co-culture system. <b>2018</b> , 8, 954-963	1
760	Selective ER-agonist alleviates vascular endothelial dysfunction in ovariectomized type 2 diabetic rats. <b>2018</b> , 460, 152-161	6
759	Relaxing Responses to Hydrogen Peroxide and Nitric Oxide in Human Pericardial Resistance Arteries Stimulated with Endothelin-1. <b>2018</b> , 122, 74-81	1
758	Contribution of lectin-like oxidized low-density lipoprotein receptor-1 and LOX-1 modulating compounds to vascular diseases. <b>2017</b> , 107, 1-1	22
757	Effect of 20-HETE inhibition on L-NAME-induced hypertension in rats. <b>2018</b> , 40, 292-302	4
756	Malnutrition, inflamation and atherosclerosis (MIA syndrome) in patients with end stage renal disease on maintenance hemodialysis (a single centre experience). <b>2018</b> , 12, 91-97	19
755	Botulinum Neurotoxin and Its Potential Role in the Treatment of Erectile Dysfunction. 2018, 6, 135-142	15
754	Deletion of T-type calcium channels Ca3.1 or Ca3.2 attenuates endothelial dysfunction in aging mice. <b>2018</b> , 470, 355-365	7
753	The potential applications of mushrooms against some facets of atherosclerosis: A review. <b>2018</b> , 105, 517-536	21
75 <sup>2</sup>	The administration of surfactant decreased oxidative stress in lungs of mice exposed to cigarette smoke. <b>2018</b> , 54, 275-279	6
751	Effect of aquatic exercise on mental health, functional autonomy, and oxidative dysfunction in hypertensive adults. <b>2018</b> , 40, 547-553	7
75°	Bliverdin reductase-A improves neurological function in a germinal matrix hemorrhage rat model. <b>2018</b> , 110, 122-132	13
749	The NADPH organizers NoxO1 and p47phox are both mediators of diabetes-induced vascular dysfunction in mice. <b>2018</b> , 15, 12-21	28

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748	Corin protects HO-induced apoptosis through PI3K/AKT and NF- <b>B</b> pathway in cardiomyocytes. <b>2018</b> , 97, 594-599	45
747	Transcription factors: Time to deliver. <b>2018</b> , 269, 24-35	20
746	The Effect of Berry-Based Food Interventions on Markers of Cardiovascular and Metabolic Health: A Systematic Review of Randomized Controlled Trials. <b>2018</b> , 62, 1700645	16
745	The APEX trial: Effects of allopurinol on exercise capacity, coronary and peripheral endothelial function, and natriuretic peptides in patients with cardiac syndrome X. <b>2018</b> , 36, e12311	5
744	Probiotic Properties and Cellular Antioxidant Activity of Lactobacillus plantarum MA2 Isolated from Tibetan Kefir Grains. <b>2018</b> , 10, 523-533	18
743	Evaluation of cardiovascular responses to silver nanoparticles (AgNPs) in spontaneously hypertensive rats. <b>2018</b> , 14, 385-395	21
742	Protective effect of Xin-Ji-Er-Kang on cardiovascular remodeling in high salt-induced hypertensive mice. <b>2019</b> , 17, 1551-1562	3
741	Endothelium at a Glance. <b>2018</b> ,	1
740	Oxidative Stress and Vascular Diseases: Effect of Physical Exercise. 2018,	1
739	Superoxide Dismutase Activity in Small Mesenteric Arteries Is Downregulated by Angiotensin II but Not by Hypertension. <b>2018</b> , 34, 363-370	5
738	Phosphodiesterase inhibitors for lower urinary tract symptoms consistent with benign prostatic hyperplasia. <b>2018</b> , 11, CD010060	8
737	Resveratrol Mitigates High-Fat Diet-Induced Vascular Dysfunction by Activating the Akt/eNOS/NO and Sirt1/ER Pathway. <b>2018</b> , 72, 231-241	16
736	Abdominal aortic calcification score can predict future coronary artery disease in hemodialysis patients: a 5-year prospective cohort study. <b>2018</b> , 19, 313	9
735	Chronic Intermittent Hypoxia Alters Rat Ophthalmic Artery Reactivity Through Oxidative Stress, Endothelin and Endothelium-Derived Hyperpolarizing Pathways. <b>2018</b> , 59, 5256-5265	5
734	Deoxynivalenol Affects Cell Metabolism and Increases Protein Biosynthesis in Intestinal Porcine Epithelial Cells (IPEC-J2): DON Increases Protein Biosynthesis. <b>2018</b> , 10,	5
733	Sensing Fluid-Shear Stress in the Endothelial System with a Special Emphasis on the Primary Cilium. <b>2018</b> ,	
732	Vasculoprotective Role of Olive Oil Compounds via Modulation of Oxidative Stress in Atherosclerosis. <b>2018</b> , 5, 188	25
731	The association between shift work and chronic kidney disease in manual labor workers using data from the Korea National Health and Nutrition Examination Survey (KNHANES 2011-2014). <b>2018</b> , 30, 69	11

730	Western diet triggers Toll-like receptor 4 signaling-induced endothelial dysfunction in female Wistar rats. <b>2018</b> , 315, H1735-H1747	21
729	Inhibition of LDL oxidation and inflammasome assembly by nitroaliphatic derivatives. Potential use as anti-inflammatory and anti-atherogenic agents. <b>2018</b> , 159, 178-186	2
728	Efficacy and safety of bloodletting on ear apex for primary hypertension: A systematic review and meta-analysis. <b>2018</b> , 23, 90-100	
727	Chronic periodontitis impairs polymorphonuclear leucocyte-endothelium cell interactions and oxidative stress in humans. <b>2018</b> , 45, 1429-1439	9
726	Hippo Pathway Looms Large for the Function of the JCAD (Junctional Protein Associated With Coronary Artery Disease) on Endothelial Cells. <b>2018</b> , 38, 2546-2547	1
725	Melatonin treatment in fetal and neonatal diseases. <b>2018</b> , 214, 1940-1951	9
724	Uncommon Fatty Acids and Cardiometabolic Health. <b>2018</b> , 10,	25
723	Hyperuricemia and endothelial function: From molecular background to clinical perspectives. <b>2018</b> , 278, 226-231	74
722	Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. <i>Circulation Research</i> , <b>2018</b> , 123, 825-848	7 160
721	The Role of NADP(H) Oxidase Inhibition and Its Implications in Cardiovascular Disease Management Using Natural Plant Products. <b>2018</b> , 43-59	1
720	Dawn of Epitranscriptomic Medicine. <b>2018</b> , 11, e001927	16
719	Sex difference in GPER expression does not change vascular relaxation or reactive oxygen species generation in rat mesenteric resistance arteries. <b>2018</b> , 211, 198-205	8
718	Noncovalent Pyrene-Polyethylene Glycol Coatings of Carbon Nanotubes Achieve in Vitro Biocompatibility. <b>2018</b> , 34, 12071-12082	14
717	Glucose-6-Phosphate Dehydrogenase Deficiency is Associated with Cardiovascular Disease in U.S. Military Centers. <b>2018</b> , 45, 144-150	23
716	TRAIL protects against endothelial dysfunction in vivo and inhibits angiotensin-II-induced oxidative stress in vascular endothelial cells in vitro. <b>2018</b> , 126, 341-349	17
715	Co-ingestion of whole eggs or egg whites with glucose protects against postprandial hyperglycaemia-induced oxidative stress and dysregulated arginine metabolism in association with improved vascular endothelial function in prediabetic men. <b>2018</b> , 120, 901-913	5
714	Endothelium-Dependent Vasodilation: Nitric Oxide and Other Mediators. 2018, 97-113	4
713	Vasoconstrictor Substances Produced by the Endothelium. <b>2018</b> , 115-125	4

712	Cholesterol crystals increase vascular permeability by inactivating SHP2 and disrupting adherens junctions. <b>2018</b> , 123, 72-84	7
711	Hemodynamic Stress, Inflammation, and Intracranial Aneurysm Development and Rupture: A Systematic Review. <b>2018</b> , 115, 234-244	55
710	Acute dietary nitrate supplementation does not attenuate oxidative stress or the hemodynamic response during submaximal exercise in hypobaric hypoxia. <b>2018</b> , 43, 1268-1274	7
709	Corynoline Exhibits Anti-inflammatory Effects in Lipopolysaccharide (LPS)-Stimulated Human Umbilical Vein Endothelial Cells through Activating Nrf2. <b>2018</b> , 41, 1640-1647	12
708	Bioactivities of the edible brown seaweed, Undaria pinnatifida: A review. <b>2018</b> , 495, 873-880	41
707	mTORc1 activity is necessary and sufficient for phosphorylation of eNOS. <b>2018</b> , 6, e13733	14
706	Acute Hyperbaric Oxygenation, Contrary to Intermittent Hyperbaric Oxygenation, Adversely Affects Vasorelaxation in Healthy Sprague-Dawley Rats due to Increased Oxidative Stress. <b>2018</b> , 2018, 7406027	12
705	Green synthesis and characterisation of CuNPs: insights into their potential bioactivity. <b>2018</b> , 12, 357-364	6
704	Effects and potential mechanism of atorvastatin treatment on Lp-PLA2 in rats with dyslipidemia. <b>2018</b> , 14, 629-634	3
703	Endothelial function and dysfunction: Impact of metformin. <b>2018</b> , 192, 150-162	59
702	Cardioprotection by intermittent hypoxia conditioning: evidence, mechanisms, and therapeutic potential. <b>2018</b> , 315, H216-H232	41
701	Reactive Oxygen Species and Pulmonary Vasculature During Hypobaric Hypoxia. <b>2018</b> , 9, 865	28
700	The Effects of Vitamin D Supplementation on Markers Related to Endothelial Function Among Patients with Metabolic Syndrome and Related Disorders: A Systematic Review and Meta-Analysis of Clinical Trials. <b>2018</b> , 50, 587-596	8
699	KLF2-mediated disruption of PPAR-Isignaling in lymphatic endothelial cells exposed to chronically increased pulmonary lymph flow. <b>2018</b> , 315, H173-H181	9
698	Ezetimibe Protects Endothelial Cells against Oxidative Stress through Akt/GSK-3IPathway. <b>2018</b> , 38, 398-404	4
697	Vegetables. <b>2018,</b> 173-229	
696	Varenicline increases random flap survival in rats submitted to nicotine. <b>2018</b> , 52, 312-318	2
695	Attenuation of oxidative stress and hypertension in an animal model of HELLP syndrome. <b>2018</b> , 834, 136-141	3

694	The Role of Statins in Disease Modification and Cardiovascular Risk in Rheumatoid Arthritis. <b>2018</b> , 5, 24	30
693	Role of the Renin Angiotensin System in Blood Pressure Allostasis-induced by Severe Food Restriction in Female Fischer rats. <b>2018</b> , 8, 10327	12
692	The Impact of Aging on Cardio and Cerebrovascular Diseases. <b>2018</b> , 19,	38
691	Effects of Chlorogenic Acid-Enriched and Hydroxyhydroquinone-Reduced Coffee on Postprandial Fat Oxidation and Antioxidative Capacity in Healthy Men: A Randomized, Double-Blind, Placebo-Controlled, Crossover Trial. <b>2018</b> , 10,	11
690	Pulmonary Arterial Hypertension and Endothelial Dysfunction Is Linked to NADPH Oxidase-Derived Superoxide Formation in Venous Thrombosis and Pulmonary Embolism in Mice. <b>2018</b> , 2018, 1860513	17
689	Large-Scale Single-Cell RNA-Seq Reveals Molecular Signatures of Heterogeneous Populations of Human Induced Pluripotent Stem Cell-Derived Endothelial Cells. <i>Circulation Research</i> , <b>2018</b> , 123, 443-45 $0^{5.7}$	65
688	Effects of Selenium in the Microcirculation of Fructose-Fed Hamsters. <b>2018</b> , 55, 203-209	1
687	Associated Detection of Superoxide Anion and Mercury(II) under Chronic Mercury Exposure in Cells and Mice Models via a Three-Channel Fluorescent Probe. <b>2018</b> , 90, 9769-9778	68
686	Oxidative stress marker 8-hydroxyguanosine is more highly expressed in prostate cancer than in benign prostatic hyperplasia. <b>2018</b> , 9, 302-304	7
685	L-arginine attenuates blood pressure and reverses the suppression of angiogenic risk factors in a rat model of preeclampsia. <b>2018</b> , 25, 389-395	10
684	Phospholipidome of endothelial cells shows a different adaptation response upon oxidative, glycative and lipoxidative stress. <b>2018</b> , 8, 12365	19
683	Vitamin D and the Cardiovascular System. <b>2018</b> , 545-562	1
682	Telomerase reverse transcriptase protects against angiotensin II-induced microvascular endothelial dysfunction. <b>2018</b> , 314, H1053-H1060	23
681	Biomarkers of cardio-renal syndrome in uremic myocardiopathy animal model. <b>2018</b> , 40, 105-111	4
68o	Homoeriodictyol protects human endothelial cells against oxidative insults through activation of Nrf2 and inhibition of mitochondrial dysfunction. <b>2018</b> , 109, 72-82	8
679	Inhibition of miR-135b by SP-1 promotes hypoxia-induced vascular endothelial cell injury via HIF-1⊞ <b>2018</b> , 370, 31-38	31
678	Interplay between the renin-angiotensin system, the canonical WNT/Etatenin pathway and PPARI in hypertension. <b>2018</b> , 20, 62	16
677	Mathematical model of hypertension-induced arterial remodeling: A chemo-mechanical approach. <b>2018</b> , 303, 10-25	6

676	The natural phenolic compounds as modulators of NADPH oxidases in hypertension. 2019, 55, 200-213	63
675	Epicatechin's cardiovascular protective effects are mediated via opioid receptors and nitric oxide. <b>2019</b> , 58, 515-527	13
674	Impaired participation of potassium channels and Na /K -ATPase in vasodilatation due to reduced nitric oxide bioavailability in rats exposed to mercury. <b>2019</b> , 124, 190-198	7
673	Roles for endothelial zinc homeostasis in vascular physiology and coronary artery disease. <b>2019</b> , 59, 3511-3	<b>525</b> 16
672	Therapeutic targets for endothelial dysfunction in vascular diseases. <b>2019</b> , 42, 848-861	23
671	Anatomically specific reactive oxygen species production participates in Marfan syndrome aneurysm formation. <b>2019</b> , 23, 7000-7009	10
670	Effects of GB34 acupuncture on hyperventilation-induced carbon dioxide reactivity and cerebral blood flow velocity in the anterior and middle cerebral arteries of normal subjects. <b>2019</b> , 37, 277-282	3
669	Endothelial Dysfunction. <b>2019</b> , 183-192	
668	Nanotherapies for Treatment of Cardiovascular Disease: A Case for Antioxidant Targeted Delivery. <b>2019</b> , 7, 47-60	4
667	Exercise (Prong-5). <b>2019</b> , 299-329	
666	Exercise (Prong-5). 2019, 299-329  Protective Role of Ecalcitonin Gene-Related Peptide in Cardiovascular Diseases. 2019, 10, 821	20
Í		20 18
666	Protective Role of Ecalcitonin Gene-Related Peptide in Cardiovascular Diseases. <b>2019</b> , 10, 821  Astragaloside IV protects against hyperglycemia-induced vascular endothelial dysfunction by	
666	Protective Role of ECalcitonin Gene-Related Peptide in Cardiovascular Diseases. 2019, 10, 821  Astragaloside IV protects against hyperglycemia-induced vascular endothelial dysfunction by inhibiting oxidative stress and Calpain-1 activation. 2019, 232, 116662  Oak Leaves as a New Potential Source for Functional Beverages: Their Antioxidant Capacity and	18
666 665 664	Protective Role of Ecalcitonin Gene-Related Peptide in Cardiovascular Diseases. 2019, 10, 821  Astragaloside IV protects against hyperglycemia-induced vascular endothelial dysfunction by inhibiting oxidative stress and Calpain-1 activation. 2019, 232, 116662  Oak Leaves as a New Potential Source for Functional Beverages: Their Antioxidant Capacity and Monomer Flavonoid Composition. 2019, 381-411	18
666 665 664	Protective Role of Ecalcitonin Gene-Related Peptide in Cardiovascular Diseases. 2019, 10, 821  Astragaloside IV protects against hyperglycemia-induced vascular endothelial dysfunction by inhibiting oxidative stress and Calpain-1 activation. 2019, 232, 116662  Oak Leaves as a New Potential Source for Functional Beverages: Their Antioxidant Capacity and Monomer Flavonoid Composition. 2019, 381-411  Regulation of skeletal muscle blood flow during exercise. 2019, 10, 146-155  LncRNA MALAT1 protects human umbilical vein endothelial cells against ox-LDL triggered cell	18 2 5
666 665 664 663	Protective Role of ECalcitonin Gene-Related Peptide in Cardiovascular Diseases. 2019, 10, 821  Astragaloside IV protects against hyperglycemia-induced vascular endothelial dysfunction by inhibiting oxidative stress and Calpain-1 activation. 2019, 232, 116662  Oak Leaves as a New Potential Source for Functional Beverages: Their Antioxidant Capacity and Monomer Flavonoid Composition. 2019, 381-411  Regulation of skeletal muscle blood flow during exercise. 2019, 10, 146-155  LncRNA MALAT1 protects human umbilical vein endothelial cells against ox-LDL triggered cell death through regulation of MGP. 2019, 15, 287-296	18 2 5

658	Optimization of Microenvironments Inducing Differentiation of Tonsil-Derived Mesenchymal Stem Cells into Endothelial Cell-Like Cells. <b>2019</b> , 16, 631-643	8
657	A Single Simulated Heliox Dive Modifies Endothelial Function in the Vascular Wall of ApoE Knockout Male Rats More Than Females. <b>2019</b> , 10, 1342	5
656	A Unique Formulation of Cardioprotective Bio-Actives: An Overview of Their Safety Profile. 2019, 6,	1
655	Polyurethane End-Capped by Tetramethylpyrazine-Nitrone for Promoting Endothelialization Under Oxidative Stress. <b>2019</b> , 8, e1900582	6
654	Factors secreted from high glucose treated endothelial cells impair expansion and differentiation of human skeletal muscle satellite cells. <b>2019</b> , 597, 5109-5124	8
653	Differentially Expressed Proteins in Primary Endothelial Cells Derived From Patients With Acute Myocardial Infarction. <b>2019</b> , 74, 947-956	5
652	H O -induced microvessel barrier dysfunction: the interplay between reactive oxygen species, nitric oxide, and peroxynitrite. <b>2019</b> , 7,	6
651	Coffee and Endothelial Function: A Coffee Paradox?. <b>2019</b> , 11,	14
650	Mesenchymal Stem Cell Secretion of SDF-1 Modulates Endothelial Function in Dilated Cardiomyopathy. <b>2019</b> , 10, 1182	13
649	Aspirin Eugenol Ester Reduces HO-Induced Oxidative Stress of HUVECs via Mitochondria-Lysosome Axis. <b>2019</b> , 2019, 8098135	7
648	SUMO2 regulates vascular endothelial function and oxidative stress in mice. <b>2019</b> , 317, H1292-H1300	8
647	Polysaccharide peptide (PsP) G: a potential inducer for vascular repair in type 2 diabetes mellitus model. <b>2019</b> , 15, 419-427	5
646	Metformin prevents vascular damage in hypertension through the AMPK/ER stress pathway. <b>2019</b> , 42, 960-969	20
645	Ceramide and Regulation of Vascular Tone. <b>2019</b> , 20,	28
644	Antidiabetic role of a novel protein from garlic via NO in expression of Glut-4/insulin in liver of alloxan induced diabetic mice. <b>2019</b> , 111, 1302-1314	14
643	Identification of bioactive phenolics from Porana sinensis Hemsl. stem by UPLC-QTOF-MS/MS and the confirmation of anti-inflammatory indicators using LPS-induced RAW264.7 cells. <b>2019</b> , 27, 1055-1069	4
642	Crataegus Aronia protects and reverses vascular inflammation in a high fat diet rat model by an antioxidant mechanism and modulating serum levels of oxidized low-density lipoprotein. <b>2019</b> , 57, 38-48	9
641	Suppression of Oxygen Radicals Protects Diabetic Endothelium Damage and Tissue Perfusion in a Streptozotocin-Induced Diabetes Rodent Model. <b>2019</b> , 82, S18-S22	1

640	Comprehensive Assessment of Short-Lived ROS and HO in Laser Printer Emissions: Assessing the Relative Contribution of Metal Oxides and Organic Constituents. <b>2019</b> , 53, 7574-7583	17
639	Tetrabromobisphenol A Induces MMP-9 Expression via NADPH Oxidase and the activation of ROS, MAPK, and Akt Pathways in Human Breast Cancer MCF-7 Cells. <b>2019</b> , 35, 93-101	22
638	Cardiovascular, electrophysiologic, and hematologic effects of omega-3 fatty acids beyond reducing hypertriglyceridemia: as it pertains to the recently published REDUCE-IT trial. <b>2019</b> , 18, 84	22
637	Rho and Reactive Oxygen Species at Crossroads of Endothelial Permeability and Inflammation. <b>2019</b> , 31, 1009-1022	13
636	Flavin Oxidase-Induced ROS Generation Modulates PKC Biphasic Effect of Resveratrol on Endothelial Cell Survival. <b>2019</b> , 9,	31
635	A Review of the Actions of Endogenous and Exogenous Vasoactive Substances during the Estrous Cycle and Pregnancy in Rats. <b>2019</b> , 9,	3
634	Relationships between Atherosclerosis and Plasma Antioxidant Micronutrients or Red Blood Cell Polyunsaturated Fatty Acids in People Living with HIV. <b>2019</b> , 11,	2
633	The effects of Momordica balsamina methanolic extract on haematological function in streptozotocin-induced diabetic rats: Effects on selected markers. <b>2019</b> , 116, 108925	5
632	Angiogenic Factor AGGF1-Primed Endothelial Progenitor Cells Repair Vascular Defect in Diabetic Mice. <b>2019</b> , 68, 1635-1648	11
631	Systolic hypertension-induced neurovascular unit disruption magnifies vascular cognitive impairment in middle-age atherosclerotic LDLr:hApoB mice. <b>2019</b> , 41, 511-532	16
630	Endothelial barrier reinforcement relies on flow-regulated glycocalyx, a potential therapeutic target. <b>2019</b> , 56, 131-149	13
629	Peptides from Cauliflower By-Products, Obtained by an Efficient, Ecosustainable, and Semi-Industrial Method, Exert Protective Effects on Endothelial Function. <b>2019</b> , 2019, 1046504	13
628	FibrosisInflammation of the Cardiovascular System. <b>2019</b> , 321-338	
627	Exercise and the Endothelium. <b>2019</b> , 97-121	1
626	The effect of endothelial nitric oxide synthase on the hemodynamics and wall mechanics in murine arteriovenous fistulas. <b>2019</b> , 9, 4299	12
625	Novel function of VEGF-B as an antioxidant and therapeutic implications. <b>2019</b> , 143, 33-39	11
624	Amino Acid Composition, Antioxidant, and Cytoprotective Effect of Blue Mussel () Hydrolysate through the Inhibition of Caspase-3 Activation in Oxidative Stress-Mediated Endothelial Cell Injury. <b>2019</b> , 17,	20
623	Anti-inflammatory Role of Carotenoids in Endothelial Cells Derived from Umbilical Cord of Women Affected by Gestational Diabetes Mellitus. <b>2019</b> , 2019, 8184656	26

622	NADPH oxidase 2 inhibitors CPP11G and CPP11H attenuate endothelial cell inflammation & vessel dysfunction and restore mouse hind-limb flow. <b>2019</b> , 22, 101143	22
621	Effect of vitamin E supplementation on blood pressure: a systematic review and meta-analysis. <b>2019</b> , 33, 499-507	14
620	Altered Venous Blood Nitric Oxide Levels at Depth and Related Bubble Formation During Scuba Diving. <b>2019</b> , 10, 57	10
619	Epigenetic modification: a regulatory mechanism in essential hypertension. <b>2019</b> , 42, 1099-1113	40
618	Chronic Treatment With Acetylcholinesterase Inhibitors Attenuates Vascular Dysfunction in Spontaneously Hypertensive Rats. <b>2019</b> , 32, 579-587	11
617	Hydroxychloroquine treatment during pregnancy in lupus patients is associated with lower risk of preeclampsia. <b>2019</b> , 28, 722-730	45
616	Predictive value of some pro-oxidants in type 2 diabetes mellitus with vascular complications. <b>2019</b> , 13, 168-175	2
615	Protective effects of exercise on heart and aorta in high-fat diet-induced obese rats. <b>2019</b> , 57, 57-65	10
614	Haptoglobin Phenotype Is Associated With High-Density Lipoprotein-Bound Hemoglobin Content and Coronary Endothelial Dysfunction in Patients With Mild Nonobstructive Coronary Artery Disease. <b>2019</b> , 39, 774-786	10
613	Long-term administration of protein hydrolysate from chicken feet induces antihypertensive effect and confers vasoprotective pattern in diet-induced hypertensive rats. <b>2019</b> , 55, 28-35	14
612	Antenatal melatonin modulates an enhanced antioxidant/pro-oxidant ratio in pulmonary hypertensive newborn sheep. <b>2019</b> , 22, 101128	20
611	Indoor nanoscale particulate matter-induced coagulation abnormality based on a human 3D microvascular model on a microfluidic chip. <b>2019</b> , 17, 20	18
610	Nanozymes: Classification, Catalytic Mechanisms, Activity Regulation, and Applications. <b>2019</b> , 119, 4357-4412	1010
609	Rethinking Endothelial Dysfunction as a Crucial Target in Fighting Heart Failure. <b>2019</b> , 3, 1-13	37
608	Herbal Approach for Management of Atherosclerosis: a Review. <b>2019</b> , 21, 12	7
607	Z-Ligustilide protects vascular endothelial cells from oxidative stress and rescues high fat diet-induced atherosclerosis by activating multiple NRF2 downstream genes. <b>2019</b> , 284, 110-120	34
606	Micronutrient Deficiencies and Dysfunctional Endothelial Phenotype in Obesity. 2019, 231-247	
605	Effects of a novel hydrogen sulfide prodrug in a porcine model of acute limb ischemia. <b>2019</b> , 69, 1924-1935	15

604	The VGVAPG Peptide Regulates the Production of Nitric Oxide Synthases and Reactive Oxygen Species in Mouse Astrocyte Cells In Vitro. <b>2019</b> , 44, 1127-1137	11
603	Hydroxytyrosol promotes autophagy by regulating SIRT1 against advanced oxidation protein product-induced NADPH oxidase and inflammatory response. <b>2019</b> , 44, 1531-1540	5
602	Hypermethylation of delta-like homolog 1/maternally expressed gene 3 loci in human umbilical veins: insights into offspring vascular dysfunction born after preeclampsia. <b>2019</b> , 37, 581-589	5
601	Prophylactic oral NAC reduced poor hematopoietic reconstitution by improving endothelial cells after haploidentical transplantation. <b>2019</b> , 3, 1303-1317	24
600	Implications of immune-inflammatory responses in smooth muscle dysfunction and disease. <b>2019</b> , 55, 81-107	1
599	Redox Regulation of the Microcirculation. <b>2019</b> , 10, 229-259	2
598	Protective Effect of Ginkgolic Acid in Attenuating LDL Induced Inflammation Human Peripheral Blood Mononuclear Cells Altering the NF- <b>B</b> Signaling Pathway. <b>2019</b> , 10, 1241	2
597	Role of Camellia brevistyla (Hayata) Coh. Stuart Seed Pomace Extract on Hypertension and Vascular Function in L-NAME-Treated Mice. <b>2019</b> , 84, 3555-3564	2
596	Adipokines and Endothelium Dysfunction Markers in Pregnant Women with Gestational Hypertension. <b>2019</b> , 2019, 7541846	6
595	Severe Hypouricemia Impairs Endothelium-Dependent Vasodilatation and Reduces Blood Pressure in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. <b>2019</b> , 8, e013130	18
595 594		18
	in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. <b>2019</b> , 8, e013130	
594	in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. <b>2019</b> , 8, e013130  Choroidal Neovascularization: Mechanisms of Endothelial Dysfunction. <b>2019</b> , 10, 1363  Cardiovascular complications following pneumonia: focus on pneumococcus and heart failure. <b>2019</b>	21
594 593	in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. 2019, 8, e013130  Choroidal Neovascularization: Mechanisms of Endothelial Dysfunction. 2019, 10, 1363  Cardiovascular complications following pneumonia: focus on pneumococcus and heart failure. 2019, 34, 233-239  Endothelial cell dysfunction during anoxia-reoxygenation is associated with a decrease in adenosine triphosphate levels, rearrangement in lipid bilayer phosphatidylserine asymmetry, and	<b>21</b>
594 593 592	Choroidal Neovascularization: Mechanisms of Endothelial Dysfunction. 2019, 10, 1363  Cardiovascular complications following pneumonia: focus on pneumococcus and heart failure. 2019, 34, 233-239  Endothelial cell dysfunction during anoxia-reoxygenation is associated with a decrease in adenosine triphosphate levels, rearrangement in lipid bilayer phosphatidylserine asymmetry, and an increase in endothelial cell permeability. 2019, 87, 1247-1252  miR-3188 (rs7247237-C>T) Single-Nucleotide Polymorphism Is Associated With the Incidence of	21 6 1
594 593 592 591	in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. 2019, 8, e013130  Choroidal Neovascularization: Mechanisms of Endothelial Dysfunction. 2019, 10, 1363  Cardiovascular complications following pneumonia: focus on pneumococcus and heart failure. 2019, 34, 233-239  Endothelial cell dysfunction during anoxia-reoxygenation is associated with a decrease in adenosine triphosphate levels, rearrangement in lipid bilayer phosphatidylserine asymmetry, and an increase in endothelial cell permeability. 2019, 87, 1247-1252  miR-3188 (rs7247237-C>T) Single-Nucleotide Polymorphism Is Associated With the Incidence of Vascular Complications in Chinese Patients With Type 2 Diabetes. 2019, 74, 62-70	21 6 1
594 593 592 591	in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. 2019, 8, e013130  Choroidal Neovascularization: Mechanisms of Endothelial Dysfunction. 2019, 10, 1363  Cardiovascular complications following pneumonia: focus on pneumococcus and heart failure. 2019, 34, 233-239  Endothelial cell dysfunction during anoxia-reoxygenation is associated with a decrease in adenosine triphosphate levels, rearrangement in lipid bilayer phosphatidylserine asymmetry, and an increase in endothelial cell permeability. 2019, 87, 1247-1252  miR-3188 (rs7247237-C>T) Single-Nucleotide Polymorphism Is Associated With the Incidence of Vascular Complications in Chinese Patients With Type 2 Diabetes. 2019, 74, 62-70  Triglycerides and endothelial function: molecular biology to clinical perspective. 2019, 30, 364-369	21 6 1

586	Apocynin alters redox signaling in conductance and resistance vessels of spontaneously hypertensive rats. <b>2019</b> , 134, 53-63	5
585	Physical Activity and Exercise Training as Important Modifiers of Vascular Health. <b>2019</b> , 451-469	
584	Voluntary wheel running prevents salt-induced endothelial dysfunction: role of oxidative stress. <b>2019</b> , 126, 502-510	7
583	Risk factors for cardiovascular mortality in patients with colorectal cancer: a population-based study. <b>2019</b> , 24, 501-507	5
582	The involvement of epigenetics in vascular disease development. <b>2019</b> , 107, 27-31	13
581	Coronary vasodilation impairment in pilocarpine model of epilepsy. <b>2019</b> , 90, 7-10	5
580	l-proline supplementation improves nitric oxide bioavailability and counteracts the blood pressure rise induced by angiotensin II in rats. <b>2019</b> , 82, 1-11	16
579	Novel Treatment of Hypertension by Specifically Targeting E2F for Restoration of Endothelial Dihydrofolate Reductase and eNOS Function Under Oxidative Stress. <b>2019</b> , 73, 179-189	13
578	Acute and Chronic Antihypertensive Effect of Fractions, Tiliroside and Scopoletin from Malva parviflora. <b>2019</b> , 42, 18-25	14
577	The effects of oxidative stress on the development of atherosclerosis. <b>2019</b> , 400, 711-732	51
576	Neuropilin-1 Controls Endothelial Homeostasis by Regulating Mitochondrial Function and Iron-Dependent Oxidative Stress. <b>2019</b> , 11, 205-223	23
575	Dairy milk, regardless of fat content, protects against postprandial hyperglycemia-mediated impairments in vascular endothelial function in adults with prediabetes by limiting oxidative stress responses that reduce nitric oxide bioavailability. <b>2019</b> , 63, 129-139	7
574	Polyphenol-Rich Diets in Cardiovascular Disease Prevention. <b>2019</b> , 259-298	2
573	Resveratrol supplementation and flow-mediated dilation: a systematic review. <b>2019</b> , 49, 580-591	3
572	Endothelial NOD1 directs myeloid cell recruitment in atherosclerosis through VCAM-1. <b>2019</b> , 33, 3912-3921	14
571	A mitochondrial targeting two-channel responsive fluorescence probe for imaging the superoxide radical anion in vitro and in vivo. <b>2019</b> , 194, 79-85	11
57°	Protectin DX prevents HO-mediated oxidative stress in vascular endothelial cells via an AMPK-dependent mechanism. <b>2019</b> , 53, 14-21	14
569	Dietary nitrate's effects on exercise performance in heart failure with reduced ejection fraction (HFrEF). <b>2019</b> , 1865, 735-740	3

### (2020-2019)

568	Dairy milk proteins attenuate hyperglycemia-induced impairments in vascular endothelial function in adults with prediabetes by limiting increases in glycemia and oxidative stress that reduce nitric oxide bioavailability. <b>2019</b> , 63, 165-176	12
567	Andrographis paniculata diterpenoids and ethanolic extract inhibit TNF⊞nduced ICAM-1 expression in EA.hy926 cells. <b>2019</b> , 52, 157-167	9
566	Pattern Recognition Receptors and Control of Innate Immunity: Role of Nucleic Acids. <b>2018</b> , 19, 1203-1209	30
565	eNOS Uncoupling: A Therapeutic Target For Ischemic Foot of Diabetic Rat. <b>2019</b> , 127, 303-310	2
564	Sulodexide up-regulates glutathione S-transferase P1 by enhancing Nrf2 expression and translocation in human umbilical vein endothelial cells injured by oxygen glucose deprivation. <b>2020</b> , 16, 957-963	3
563	NADPH oxidases and oxidase crosstalk in cardiovascular diseases: novel therapeutic targets. <b>2020</b> , 17, 170-194	149
562	Raw garlic consumption is inversely associated with prehypertension in a large-scale adult population. <b>2020</b> , 34, 59-67	1
561	The Pathophysiology of Myocardial Ischemia and Perioperative Myocardial Infarction. <b>2020</b> , 34, 2501-2512	21
560	Exposure to Toxic Heavy Metals Can Influence Homocysteine Metabolism?. <b>2019</b> , 9,	7
559	Inhibition of Endothelial Dysfunction by Dietary Flavonoids and Preventive Effects Against Cardiovascular Disease. <b>2020</b> , 75, 1-9	16
558	The potential effect of imatinib against hypercholesterolemia induced atherosclerosis, endothelial dysfunction and hepatic injury in rabbits. <b>2020</b> , 243, 117275	11
557	Effect of plant sterol and galactooligosaccharides enriched beverages on oxidative stress and longevity in Caenorhabditis elegans. <b>2020</b> , 65, 103747	7
556	Structural, functional, and molecular impact on the cardiovascular system in ApoE mice exposed to aerosol from candidate modified risk tobacco products, Carbon Heated Tobacco Product 1.2 and Tobacco Heating System 2.2, compared with cigarette smoke. <b>2020</b> , 315, 108887	7
555	Ablation of angiotensin type 2 receptor prevents endothelial nitric oxide synthase glutathionylation and nitration in ischaemic abductor muscle of diabetic mice. <b>2020</b> , 17, 1479164119883978	2
554	Sesamol: a powerful functional food ingredient from sesame oil for cardioprotection. <b>2020</b> , 11, 1198-1210	30
553	Targeting endothelial thioredoxin-interacting protein (TXNIP) protects from metabolic disorder-related impairment of vascular function and post-ischemic revascularisation. <b>2020</b> , 23, 249-264	15
552	Dexamethasone promotes mesenchymal stem cell apoptosis and inhibits osteogenesis by disrupting mitochondrial dynamics. <b>2020</b> , 10, 211-220	10
551	Extracellular superoxide dismutase (SOD3): An antioxidant or prooxidant in the extracellular space?. <b>2020</b> , 183-215	1

550	Functional implications of vascular endothelium in regulation of endothelial nitric oxide synthesis to control blood pressure and cardiac functions. <b>2020</b> , 259, 118377	12
549	Rapid and facile synthesis of graphene quantum dots with high antioxidant activity. <b>2020</b> , 122, 108288	2
548	HIV Antivirals Affect Endothelial Activation and Endothelial-Platelet Crosstalk. <i>Circulation Research</i> , <b>2020</b> , 127, 1365-1380	10
547	Endothelial Function and Oxidative Stress in X-Linked, gp91 Deficiency, Chronic Granulomatous Disease. <b>2020</b> , 2, 1480-1483	O
546	Cratoxylum Formosum extract exhibits antihypertensive effects via suppressing the renin-angiotensin cascade in hypertensive rats. <b>2020</b> , 73, 104137	3
545	Combination Treatment with Sodium Nitrite and Isoquercetin on Endothelial Dysfunction among Patients with CKD: A Randomized Phase 2 Pilot Trial. <b>2020</b> , 15, 1566-1575	2
544	Rosmarinic acid inhibits oxLDL-induced inflammasome activation under high-glucose conditions through downregulating the p38-FOXO1-TXNIP pathway. <b>2020</b> , 182, 114246	17
543	BReast CAncer susceptibility gene 2 deficiency exacerbates oxidized LDL-induced DNA damage and endothelial apoptosis. <b>2020</b> , 8, e14481	1
542	Protective Effects of ShcA Protein Silencing for Photothrombotic Cerebral Infarction. 2021, 12, 866-878	3
541	Stretchable Electrode Based on Au@Pt Nanotube Networks for Real-Time Monitoring of ROS Signaling in Endothelial Mechanotransduction. <b>2020</b> , 92, 15639-15646	11
540	Characterization of changes in global gene expression in the hearts and kidneys of transgenic mice overexpressing human angiotensin-converting enzyme 2. <b>2020</b> , 36, 23	0
539	Measuring Oxidants and Oxidative Stress in Biological Systems. <b>2020</b> ,	1
538	Endothelial Dysfunction in Cardiovascular Diseases. 2020,	6
537	Exercise-induced hypertension is associated with angiotensin II activity and total nitric oxide. <b>2020</b> , 99, e20943	6
536	The microscopic anatomy of endothelial cells in human atherosclerosis: Focus on ER and mitochondria. <b>2020</b> , 237, 1015-1025	3
535	Pneumatically Actuated Microfluidic Platform for Reconstituting 3D Vascular Tissue Compression. <b>2020</b> , 10, 2027	9
534	Hydrogen sulfide donors: Therapeutic potential in anti-atherosclerosis. <b>2020</b> , 205, 112665	15
533	Endocan: A novel biomarker for risk stratification, prognosis and therapeutic monitoring in human cardiovascular and renal diseases. <b>2020</b> , 509, 310-335	9

# (2020-2020)

532	Low Shear Stress Upregulates CX3CR1 Expression by Inducing VCAM-1 via the NF- <b>B</b> Pathway in Vascular Endothelial Cells. <b>2020</b> , 78, 383-389	5
531	Altered Bioavailability of Nitric Oxide and L-Arginine Is a Key Determinant of Endothelial Dysfunction in Preeclampsia. <b>2020</b> , 2020, 3251956	6
530	Endothelial cells, neutrophils and platelets: getting to the bottom of an inflammatory triangle. <b>2020</b> , 10, 200161	7
529	Lipophagy in atherosclerosis. <b>2020</b> , 511, 208-214	4
528	Pre-impaired fasting glucose state is a risk factor for endothelial dysfunction: Flow-mediated Dilation Japan (FMD-J) study. <b>2020</b> , 8,	3
527	Pathophysiology of atherosclerosis: Association of risk factors and treatment strategies using plant-based bioactive compounds. <b>2020</b> , 44, e13449	7
526	Computational Framework to Evaluate the Hydrodynamics of Cell Scaffold Geometries. <b>2020</b> , 2020, 2299-230	02
525	Endothelial deficiency of insulin-like growth factor-1 receptor reduces endothelial barrier function and promotes atherosclerosis in -deficient mice. <b>2020</b> , 319, H730-H743	6
524	Oxidative Stress in Cardiovascular Diseases. <b>2020</b> , 9,	75
523	Effects of Dual Purinoceptor-dependent Approach on Release of Vascular Endothelial Growth Factor From Human Microvascular Endothelial Cell (HMEC-1) and Endothelial Cell Condition. <b>2020</b> , 76, 349-359	1
522	An Overview of , , and Computational Techniques for Cancer-Associated Angiogenesis Studies. <b>2020</b> , 2020, 8857428	O
521	Edaravone and Acetovanillone Upregulate Nrf2 and PI3K/Akt/mTOR Signaling and Prevent Cyclophosphamide Cardiotoxicity in Rats. <b>2020</b> , 14, 5275-5288	10
520	Are Migraine Patients at Increased Risk for Symptomatic Coronavirus Disease 2019 Due to Shared Comorbidities?. <b>2020</b> , 60, 2508-2521	15
519	Role of Polyphenols and Carotenoids in Endothelial Dysfunction: An Overview from Classic to Innovative Biomarkers. <b>2020</b> , 2020, 6381380	8
518	In vitro biological assessment of the stability of cigarette smoke aqueous aerosol extracts. <b>2020</b> , 13, 492	3
517	Call to action regarding the vascular-bipolar link: A report from the Vascular Task Force of the International Society for Bipolar Disorders. <b>2020</b> , 22, 440-460	34
516	Trans, trans-2,4-decadienal impairs vascular endothelial function by inducing oxidative/nitrative stress and apoptosis. <b>2020</b> , 34, 101577	7
515	Chemical renal denervation-induced upregulation of the ACE2/Ang (1-7)/Mas axis attenuates blood pressure elevation in spontaneously hypertensive rats. <b>2020</b> , 42, 661-668	6

514	Prenatal Hypoxia and Placental Oxidative Stress: Insights from Animal Models to Clinical Evidences. <b>2020</b> , 9,	10
513	Chronic cigarette smoke exposure triggers a vicious cycle of leukocyte and endothelial-mediated oxidant stress that results in vascular dysfunction. <b>2020</b> , 319, H51-H65	12
512	Vascular ageing in hypertension: Focus on mitochondria. <b>2020</b> , 189, 111267	6
511	Single-atom nanozymes: A rising star for biosensing and biomedicine. <b>2020</b> , 418, 213376	58
510	Unveiling the Role of Inflammation and Oxidative Stress on Age-Related Cardiovascular Diseases. <b>2020</b> , 2020, 1954398	53
509	Differential Effects of Low- and High-Dose Dexamethasone on Electrically Induced Damage of the Cultured Organ of Corti. <b>2020</b> , 38, 487-497	1
508	The Inhibition of Protein Kinase C ©contributes to the Pathogenesis of Preeclampsia by Activating Autophagy. <b>2020</b> , 56, 102813	12
507	Disparate Effect of Antioxidant Supplements on the Basal Tone and Vascular Remodeling of the Aorta in Hypertensive Rats. <b>2020</b> , 57, 261-275	
506	Oxidative Stress and Microvessel Barrier Dysfunction. <b>2020</b> , 11, 472	17
505	CircBPTF knockdown ameliorates high glucose-induced inflammatory injuries and oxidative stress by targeting the miR-384/LIN28B axis in human umbilical vein endothelial cells. <b>2020</b> , 471, 101-111	12
504	The ACE2/Ang (1-7)/MasR axis as an emerging target for antihypertensive peptides. 2021, 61, 2572-2586	9
503	Effect of induced hypoglycemia on inflammation and oxidative stress in type 2 diabetes and control subjects. <b>2020</b> , 10, 4750	30
502	Neurogranin regulates eNOS function and endothelial activation. <b>2020</b> , 34, 101487	5
501	Endothelial Sphingolipid De Novo Synthesis Controls Blood Pressure by Regulating Signal Transduction and NO via Ceramide. <b>2020</b> , 75, 1279-1288	8
500	The Vascular Consequences of Metabolic Syndrome: Rodent Models, Endothelial Dysfunction, and Current Therapies. <b>2020</b> , 11, 148	20
499	Potential Adverse Effects of Resveratrol: A Literature Review. <b>2020</b> , 21,	144
498	Cellular Adhesion Molecules in Young Adulthood and Cardiac Function in Later Life. 2020, 75, 2156-2165	13
497	Oxidative und antioxidative Prozesse in abdominellen Aortenaneurysmen. <b>2020</b> , 25, 124-128	

# (2020-2020)

496	Ascorbic acid inhibits vascular remodeling induced by mental stress in overweight/obese men. <b>2020</b> , 250, 117554	2
495	The Peroxisome Proliferator-Activated Receptor Agonist Pioglitazone Protects Vascular Endothelial Function in Hypercholesterolemic Rats by Inhibiting Myeloperoxidase. <b>2020</b> , 2020, 1845969	4
494	Endothelial Dysfunction in Diabetes. <b>2020</b> , 8,	17
493	Oxidative Stress and New Pathogenetic Mechanisms in Endothelial Dysfunction: Potential Diagnostic Biomarkers and Therapeutic Targets. <b>2020</b> , 9,	34
492	The Noncanonical Pathway for In Vivo Nitric Oxide Generation: The Nitrate-Nitrite-Nitric Oxide Pathway. <b>2020</b> , 72, 692-766	53
491	Carotid Disease and Ageing: A Literature Review on the Pathogenesis of Vascular Senescence in Older Subjects. <b>2020</b> , 2020, 8601762	4
490	Xanthine Oxidase Inhibition and Anti-LDL Oxidation by Prenylated Isoflavones from Root. <b>2020</b> , 25,	2
489	Effects of progesterone treatment on endothelium-dependent coronary relaxation in ovariectomized rats. <b>2020</b> , 247, 117391	1
488	Cerebral hemodynamics in patients with multiple sclerosis. <b>2020</b> , 44, 102309	6
487	The Phosphodiesterase-5 Inhibitor Vardenafil Improves the Activation of BMP Signaling in Response to Hydrogen Peroxide. <b>2020</b> , 34, 41-52	4
486	The effects of pomegranate supplementation on biomarkers of inflammation and endothelial dysfunction: A meta-analysis and systematic review. <b>2020</b> , 49, 102358	18
485	Interaction of genetic background and exercise training intensity on endothelial function in mouse aorta. <b>2020</b> , 24, 53-68	3
484	Accumulated nocturnal hypoxemia predict arterial endothelial function in patients with sleep-disordered breathing with or without chronic heart failure. <b>2020</b> , 35, 800-807	2
483	Indoxyl sulfate impairs valsartan-induced neovascularization. <b>2020</b> , 30, 101433	5
482	Radiologic, Pathologic, Clinical, and Physiologic Findings of Electronic Cigarette or Vaping Product Use-associated Lung Injury (EVALI): Evolving Knowledge and Remaining Questions. <b>2020</b> , 294, 491-505	50
481	Dysregulation of 2-oxoglutarate-dependent dioxygenases by hyperglycaemia: does this link diabetes and vascular disease?. <b>2020</b> , 12, 59	3
480	Serum Renin Levels in Sudden Sensorineural Hearing Loss. <b>2020</b> , 129, 806-812	1
479	Homozygous damaging SOD2 variant causes lethal neonatal dilated cardiomyopathy. <b>2020</b> , 57, 23-30	8

478	Protective Effects of Short-Chain Fatty Acids on Endothelial Dysfunction Induced by Angiotensin II. <b>2020</b> , 11, 277	16
477	Antihypertensive Effects of Polyphenolic Extract from Korean Red Pine (Sieb. et Zucc.) Bark in Spontaneously Hypertensive Rats. <b>2020</b> , 9,	13
476	Nitrergic perivascular innervation in health and diseases: Focus on vascular tone regulation. <b>2020</b> , 230, e13484	5
475	Mesenteric arterial dysfunction in the UC Davis Type 2 Diabetes Mellitus rat model is dependent on pre-diabetic versus diabetic status and is sexually dimorphic. <b>2020</b> , 879, 173089	2
474	L. Fruit Extract Prevents UV-A-Induced Genotoxicity and Oxidative Injury in Human Microvascular Endothelial Cells. <b>2020</b> , 9,	6
473	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. <b>2021</b> , 117, 29-42	53
472	The effects of sepsis on endothelium and clinical implications. <b>2021</b> , 117, 60-73	25
471	Oxidative Stress, GTPCH1, and Endothelial Nitric Oxide Synthase Uncoupling in Hypertension. <b>2021</b> , 34, 750-764	14
470	Imaging and Targeting Coronary Artery Inflammation. 2021, 34, 1217-1243	4
469	Caffeic Acid Protects against Iron-Induced Cardiotoxicity by Suppressing Angiotensin-Converting Enzyme Activity and Modulating Lipid Spectrum, Gluconeogenesis and Nucleotide Hydrolyzing Enzyme Activities. <b>2021</b> , 199, 1052-1061	12
468	Myeloperoxidase: A versatile mediator of endothelial dysfunction and therapeutic target during cardiovascular disease. <b>2021</b> , 221, 107711	11
467	Phenolic compounds characterisation and antioxidant activity of black plum (Vitex doniana) fruit pulp and peel from CEe dIvoire. <b>2021</b> , 15, 1281-1293	3
466	Endothelial-to-Mesenchymal Transition in Pulmonary Arterial Hypertension. 2021, 34, 891-914	12
465	Nano-micrometer surface roughness gradients reveal topographical influences on differentiating responses of vascular cells on biodegradable magnesium. <b>2021</b> , 6, 262-272	12
464	Impact of physical activity on redox status and nitric oxide bioavailability in nonoverweight and overweight/obese prepubertal children. <b>2021</b> , 163, 116-124	2
463	Aerobic or resistance training improves autonomic control of circulation in oophorectomized rats with cardiometabolic dysfunctions: Impact on renal oxidative stress. <b>2021</b> , 145, 111181	
462	Xanthine oxidase inhibition attenuates doxorubicin-induced cardiotoxicity in mice. <b>2021</b> , 162, 298-308	10
461	Sources and Effects of Oxidative Stress in Hypertension. <b>2020</b> , 16, 166-180	9

460	Assessment of Peripheral Blood Mononuclear Cells Senescence and Endothelial Dysfunction among Adults with High Cardiovascular Risk. <b>2021</b> , 116, 37-47	
459	The Presence of Cholesteryl Ester Transfer Protein (CETP) in Endothelial Cells Generates Vascular Oxidative Stress and Endothelial Dysfunction. <b>2021</b> , 11,	1
458	Bioactive peptides and proteins on hypertension and endothelium function. 2021, 391-404	
457	Risk assessment for heat stress during work and leisure. <b>2021</b> , 373-385	3
456	P2Y11 Agonism Prevents Hypoxia/Reoxygenation- and Angiotensin II-Induced Vascular Dysfunction and Intimal Hyperplasia Development. <b>2021</b> , 22,	3
455	CLIC1 Inhibition Protects Against Cellular Senescence and Endothelial Dysfunction Via the Nrf2/HO-1 Pathway. <b>2021</b> , 79, 239-252	4
454	Carotenoids in diabetes, retinopathy, and cardiovascular risk. <b>2021</b> , 123-152	
453	Update on the Inflammatory Hypothesis of Coronary Artery Disease. <b>2021</b> , 23, 6	4
452	The Impact of Oxidative Stress in Human Pathology: Focus on Gastrointestinal Disorders. <b>2021</b> , 10,	16
451	Oxidative Stress and Antioxidant Strategies in Human Diseases. <b>2021</b> , 1-26	
450	Biomechanical regulation of endothelial function in atherosclerosis. 2021, 3-47	1
449	Hypochlorous Acid Induces Caspase Dependent Apoptosis in <i>Saccharomyces cerevisiae</i>. <b>2021</b> , 09, 42-53	1
448	The Enigmatic Vascular NOX: From Artifact to Double Agent of Change: Arthur C. Corcoran Memorial Lecture - 2019. <b>2021</b> , 77, 275-283	2
447	All-trans-retinoic acid ameliorates atherosclerosis, promotes perivascular adipose tissue browning, and increases adiponectin production in Apo-E mice. <b>2021</b> , 11, 4451	2
446	Arthrospira platensis accelerates the formation of an endothelial cell monolayer and protects against endothelial cell detachment after bacterial contamination. <b>2021</b> , 78, 151-161	3
445	OCT-angiography: Regional reduced macula microcirculation in ocular hypertensive and pre-perimetric glaucoma patients. <b>2021</b> , 16, e0246469	2
444	The Protective Effects of Ropivacaine Against High Glucose-induced Brain Microvascular Endothelial Injury by Reducing MMPs and Alleviating Oxidative Stress. <b>2021</b> , 39, 851-859	3
443	Relationship between thiol, disulphide volume and contrast-induced nephropathy in acute coronary syndrome patients treated with percutaneous coronary intervention. <b>2021</b> , 81, 173-180	1

442	Rational Design and Biological Application of Antioxidant Nanozymes. 2020, 8, 831	9
441	CHANGES IN GLUTATHIONE PEROXIDASE ACTIVITY IN CARDIAC TISSUES OF RATS IN RESPONSE TO MECHANICAL INJURY OF THE BLOOD-OCULAR BARRIER. <b>2021</b> , 36-44	
440	Exosomes and Exosomal microRNAs in Age-associated Stroke. <b>2021</b> , 19, 587-600	2
439	Endothelial Glycocalyx as a Regulator of Fibrotic Processes. <b>2021</b> , 22,	3
438	Protein network analyses of pulmonary endothelial cells in chronic thromboembolic pulmonary hypertension. <b>2021</b> , 11, 5583	3
437	Long non-coding RNA NEAT1 regulates endothelial functions in subclinical hypothyroidism through miR-126/TRAF7 pathway. <b>2021</b> , 34, 825-835	1
436	Patient factors and outcomes associated with discordance between quantitative and qualitative cardiac PET ischemia information. <b>2021</b> , 16, e0246149	О
435	Relationship between the Circulating Selenium Level and Stroke: A Meta-Analysis of Observational Studies. <b>2021</b> , 1-9	5
434	Profile of new vascular damage biomarkers in middle-aged men with arterial hypertension. <b>2021</b> , 66, 185-191	1
433	Mitochondrial Fission Protein 1: Emerging Roles in Organellar Form and Function in Health and Disease. <b>2021</b> , 12, 660095	14
432	Increased Carotid Intima-Media Thickness and Endothelial Cell-Specific Molecule-1 (Endocan) Levels in Obese Children. <b>2021</b> , 72, 633-639	3
431	ROS Modulating Effects of Lingonberry (L.) Polyphenols on Obese Adipocyte Hypertrophy and Vascular Endothelial Dysfunction. <b>2021</b> , 13,	8
430	Cardiovascular Outcomes in the Acute Phase of COVID-19. <b>2021</b> , 22,	4
429	Nanozyme-involved biomimetic cascade catalysis for biomedical applications. <b>2021</b> , 44, 211-228	35
428	Antioxidant Properties of Olive Mill Wastewater Polyphenolic Extracts on Human Endothelial and Vascular Smooth Muscle Cells. <b>2021</b> , 10,	6
427	Endothelial-transcytosed myeloperoxidase activates endothelial nitric oxide synthase via a phospholipase C-dependent calcium signaling pathway. <b>2021</b> , 166, 255-264	1
426	Inflammaging: inflammation and oxidative stress as a cause of aging and cognitive decline. 2021, 48-58	
425	LncRNA FENDRR Inhibits ox-LDL Induced Mitochondrial Energy Metabolism Disorder in Aortic Endothelial Cells miR-18a-5p/PGC-1 Signaling Pathway. <b>2021</b> , 12, 622665	3

424	An overview of pharmacotherapy for cerebral vasospasm and delayed cerebral ischemia after subarachnoid hemorrhage. <b>2021</b> , 22, 1601-1614	1
423	Effects of hydrogen as adjuvant treatment for unstable angina. <b>2021</b> , 246, 1981-1989	O
422	Matrix Metalloproteinases and Arterial Hypertension: Role of Oxidative Stress and Nitric Oxide in Vascular Functional and Structural Alterations. <b>2021</b> , 11,	6
421	Ex Vivo Antioxidant Capacities of Fruit and Vegetable Juices. Potential In Vivo Extrapolation. <b>2021</b> , 10,	2
420	Modulation of vascular integrity and neuroinflammation by peroxiredoxin 4 following cerebral ischemia-reperfusion injury. <b>2021</b> , 135, 104144	3
419	Reactive Oxygen Species-Induced TRPM2-Mediated Ca Signalling in Endothelial Cells. <b>2021</b> , 10,	5
418	Rational design of near-infrared fluorescent probes for superoxide anion radical: Enhancement of self-stability and sensitivity by self-immolative linker. <b>2021</b> , 167, 36-44	3
417	A review of dietary phytochemicals and their relation to oxidative stress and human diseases. <b>2021</b> , 271, 129499	15
416	The Aging Vasculature: Glucose Tolerance, Hypoglycemia and the Role of the Serum Response Factor. <b>2021</b> , 8,	3
415	Dietary total antioxidant capacity and severity of stenosis in patients with coronary artery disease. <b>2021</b> , 91, 235-241	1
414	Synergistic harmful interaction between sustained physical inactivity and hypertension/diabetes mellitus on the risk of all-cause mortality: a retrospective observational cohort study. <b>2021</b> , 39, 2058-2066	O
413	Protective role of the mitochondrial fusion protein OPA1 in hypertension. <b>2021</b> , 35, e21678	2
412	The role of tumor necrosis factor in triggering activation of natural killer cell, multi-organ mitochondrial dysfunction and hypertension during pregnancy. <b>2021</b> , 24, 65-72	4
411	Tubulin-folding cofactor E deficiency promotes vascular dysfunction by increased endoplasmic reticulum stress. <b>2021</b> ,	2
410	Blood Cardioplegia Induction, Perfusion Storage and Graft Dysfunction in Cardiac Xenotransplantation. <b>2021</b> , 12, 667093	5
409	Toll-Like Receptor 2 (TLR2) Knockout Abrogates Diabetic and Obese Phenotypes While Restoring Endothelial Function via Inhibition of NOX1. <b>2021</b> , 70, 2107-2119	7
408	Hawthorn berry (crataegus songarica) causes endothelium-dependent relaxation of the porcine coronary artery: Role of Estrogen receptors. <b>2021</b> , 11, 249-265	
407	High-intensity exercise in hypoxia improves endothelial function via increased nitric oxide bioavailability in C57BL/6 mice. <b>2021</b> , 233, e13700	1

406	Suppression of apoptosis in vascular endothelial cell, the promising way for natural medicines to treat atherosclerosis. <b>2021</b> , 168, 105599	22
405	Impaired Autophagy Induced by oxLDL/2GPI/anti-2GPI Complex through PI3K/AKT/mTOR and eNOS Signaling Pathways Contributes to Endothelial Cell Dysfunction. <b>2021</b> , 2021, 6662225	O
404	Effects of different intensities of continuous training on vascular inflammation and oxidative stress in spontaneously hypertensive rats. <b>2021</b> , 25, 8522-8536	3
403	Narrative Review of Carotid disease and the kidney. <b>2021</b> , 9, 1210	O
402	Theranostic Applications of Nanomaterials in the Field of Cardiovascular Diseases. 2021,	1
401	Inorganic nitrate attenuates cardiac dysfunction: roles for xanthine oxidoreductase and nitric oxide. <b>2021</b> ,	O
400	Endothelial Nitric Oxide Production and Antioxidant Response in Breath-Hold Diving: Genetic Predisposition or Environment Related?. <b>2021</b> , 12, 692204	1
399	Butyrate protects endothelial function through PPAR/ImiR-181b signaling. 2021, 169, 105681	1
398	High metabolic substrate load induces mitochondrial dysfunction in rat skeletal muscle microvascular endothelial cells. <b>2021</b> , 9, e14855	1
397	Vascular Mechanobiology: Homeostasis, Adaptation, and Disease. <b>2021</b> , 23, 1-27	9
396	When high-fat diet plus hypertension does not equal vascular dysfunction. 2021, 321, H128-H130	1
395	Methyl mercury triggers endothelial leukocyte adhesion and increases expression of cell adhesion molecules and chemokines. <b>2021</b> , 246, 2522-2532	
394	Inhibition of Rac1 GTPase Decreases Vascular Oxidative Stress, Improves Endothelial Function, and Attenuates Atherosclerosis Development in Mice. <b>2021</b> , 8, 680775	1
393	Endothelial Dysfunction, Inflammation, and Oxidative Stress in COVID-19-Mechanisms and Therapeutic Targets. <b>2021</b> , 2021, 8671713	14
392	Targeting MicroRNA-192-5p, a Downstream Effector of NOXs (NADPH Oxidases), Reverses Endothelial DHFR (Dihydrofolate Reductase) Deficiency to Attenuate Abdominal Aortic Aneurysm Formation. <b>2021</b> , 78, 282-293	3
391	In vitro fertilization exacerbates stroke size and neurological disability in wildtype mice. <b>2021</b> , 343, 92-101	1
390	Reduced Blood Circulating Calcium Level Is An Outstanding Biomarker For Preeclampsia Among 48 Types Of Human Diseases. <b>2021</b> ,	
389	Hypertension and Associated Inflammatory Markers Among HIV-Infected Patients in Tanzania.	

388	miR-204: Molecular Regulation and Role in Cardiovascular and Renal Diseases. 2021, 78, 270-281	5
387	Adverse Effects of Oxidative Stress on Bone and Vasculature in Corticosteroid-Associated Osteonecrosis: Potential Role of Nuclear Factor Erythroid 2-Related Factor 2 in Cytoprotection. <b>2021</b> , 35, 357-376	2
386	Sesamol Ameliorates Renal Injury-Mediated Atherosclerosis via Inhibition of Oxidative Stress/IKK∄p53. <b>2021</b> , 10,	4
385	Oxidative Stress-Related Susceptibility to Aneurysm in Marfan's Syndrome. <b>2021</b> , 9,	2
384	Carajurin: a anthocyanidin from Arrabidaea chica as a potential biological marker of antileishmanial activity. <b>2021</b> , 141, 111910	2
383	Association of Serum Magnesium, Copper and Zinc with Severity of Coronary Artery Disease IA Cross-Sectional Study from Salem, India. <b>2021</b> , 10, 3262-3266	
382	Enzyme Mimics for Engineered Biomimetic Cascade Nanoreactors: Mechanism, Applications, and Prospects. 2106139	20
381	An assessment of the hemorheological profile in patients with subclinical carotid atherosclerosis divided in relation to the number of cardiovascular risk factors and different degrees of insulin resistance. <b>2021</b> , 78, 417-428	1
380	Harnessing polyphenol power by targeting eNOS for vascular diseases. <b>2021</b> , 1-26	O
379	Kansuinine A Ameliorates Atherosclerosis and Human Aortic Endothelial Cell Apoptosis by Inhibiting Reactive Oxygen Species Production and Suppressing IKK/IB/INF-B Signaling. 2021, 22,	1
378	Endocan alters nitric oxide production in endothelial cells by targeting AKT/eNOS and NFkB/iNOS signaling. <b>2021</b> , 117, 26-33	1
377	Arsenic and Oxidative Stress: An Overview. <b>2021</b> , 27-63	o
376	Inhibitory Activity on the Formation of Reactive Carbonyl Species in Edible Oil by Synthetic Polyphenol Antioxidants. <b>2021</b> , 69, 9025-9033	1
375	Mechanobiology of Lymphatic Vessels. <b>2021</b> , 191-239	2
374	Carotenoids and Cardiovascular Diseases. <b>2021</b> , 649-696	
373	Molecules and Mechanisms to Overcome Oxidative Stress Inducing Cardiovascular Disease in Cancer Patients. <b>2021</b> , 11,	8
372	The mediterranean way. Should elderly people eat leafy vegetables and beetroot to lower high blood pressure?. <b>2021</b> , 33, 2613-2621	
371	Nitric Oxide and Oxidative Stress Changes at Depth in Breath-Hold Diving. <b>2020</b> , 11, 609642	6

370	General Concepts about Oxidative Stress. <b>2006</b> , 1-15	3
369	eNOS and nNOS in Stroke. <b>2007</b> , 47-63	1
368	Oxidative Stress in Arterial Hypertension: Oxidative Stress and Hypertension. 2008, 51-78	1
367	Diabetes and Oxidant Stress. <b>2008</b> , 123-158	1
366	Inos-Deficient Mice in the Study of Resuscitated Sepsis. <b>2004</b> , 159-177	1
365	Purification of endothelial cells from rat brain. <b>2014</b> , 1135, 357-64	3
364	Deregulation of Mitochondrial Function: A Potential Common Theme for Cardiovascular Disease Development. <b>2008</b> , 165-189	2
363	Chronic Granulomatous Disease: From Lethal Pediatric Mystery to Complex Chronic Disease. <b>2010</b> , 319-352	1
362	Vascular Remodeling in Health and Disease. <b>2007</b> , 1541-1565	1
361	Hsp90 and Its Role in Heme-Maturation of Client Proteins: Implications for Human Diseases. <b>2019</b> , 251-268	1
360	Hypertension and Vascular Dysfunction. <b>2013</b> , 1-37	2
359	Hemodynamics and Mechanobiology of Aortic Valve Calcification. <b>2016</b> , 237-261	2
358	Photoplethysmographic Pulse Amplitude Response to Flow Mediated Dilation. 2007, 423-426	1
357	Oxidase Interactions in Cardiovascular Disease. <b>2014</b> , 849-876	3
356	Risk Factors, Oxidative Stress, and Cardiovascular Disease. <b>2014</b> , 765-790	1
355	Angiotensin II and Superoxide Generation. <b>2014</b> , 1255-1271	1
354	Therapeutic Potential of Plant Polyphenolics and Their Mechanistic Action Against Various Diseases. <b>2019</b> , 313-351	3
353	Xanthine Oxidase Activation Modulates the Endothelial (Vascular) Dysfunction Related to HgCl Exposure Plus Myocardial Infarction in Rats. <b>2018</b> , 18, 161-174	5

352	Pathophysiology of essential hypertension: Role of the pump, the vessel, and the kidney. <b>2002</b> , 22, 3-16	55
351	Involvement of Oxidative Stress in the Pathogenesis of Diabetes. <b>2006</b> , 061221112325003	3
350	Delayed Cerebrovascular Protective Effect of Lipopolysaccharide in Parallel to Brain Ischemic Tolerance. <b>2003</b> , 399-405	17
349	Pericyte-specific vascular expression of SARS-CoV-2 receptor ACE2 [Implications for microvascular inflammation and hypercoagulopathy in COVID-19.	45
348	Leukocyte adherence inhibits adenosine-dependent venular control of arteriolar diameter and nitric oxide. <b>2006</b> , 291, H724-31	4
347	Postnatal maturation in nitric oxide-induced pulmonary artery relaxation involving cyclooxygenase-1 activity. <b>2002</b> , 283, L839-48	12
346	Exercise training improves conduit vessel function in patients with coronary artery disease. <b>2003</b> , 95, 20-5	106
345	A physiogenomic approach to study the regulation of blood pressure. <b>2005</b> , 23, 46-53	13
344	Oxidative Stress in Ischemic Heart Disease. <b>2020</b> , 2020, 6627144	24
343	Retinol-binding protein 7 is an endothelium-specific PPAR cofactor mediating an antioxidant response through adiponectin. <b>2017</b> , 2, e91738	18
342	Oxidation of tetrahydrobiopterin leads to uncoupling of endothelial cell nitric oxide synthase in hypertension. <b>2003</b> , 111, 1201-9	530
341	Oxidation of tetrahydrobiopterin leads to uncoupling of endothelial cell nitric oxide synthase in hypertension. <b>2003</b> , 111, 1201-1209	1166
340	Mechanisms underlying adverse effects of HDL on eNOS-activating pathways in patients with coronary artery disease. <b>2011</b> , 121, 2693-708	395
339	Comments on Contemporary Methods of Oxygen and Nitrogen Free Radical Detection. 2005, 1-284	1
338	The Antithrombotic Effects of Low Molecular Weight Fragment from Enzymatically Modified of Laminaria Japonica Polysaccharide. <b>2020</b> , 26, e920221	2
337	The role of oxidative stress and antioxidants in diabetic complications. <b>2012</b> , 12, 5-18	315
336	Endotoxin induced chorioamnionitis prevents intestinal development during gestation in fetal sheep. <b>2009</b> , 4, e5837	73
335	Muscle sympathetic nerve activity is related to a surrogate marker of endothelial function in healthy individuals. <b>2010</b> , 5, e9257	36

334	Exosomes communicate protective messages during oxidative stress; possible role of exosomal shuttle RNA. <b>2010</b> , 5, e15353	324
333	Simvastatin re-couples dysfunctional endothelial nitric oxide synthase in experimental subarachnoid hemorrhage. <b>2011</b> , 6, e17062	36
332	Calcium channel blockers, more than diuretics, enhance vascular protective effects of angiotensin receptor blockers in salt-loaded hypertensive rats. <b>2012</b> , 7, e39162	5
331	Local oxidative stress expansion through endothelial cellsa key role for gap junction intercellular communication. <b>2012</b> , 7, e41633	28
330	Low-dose dextromethorphan, a NADPH oxidase inhibitor, reduces blood pressure and enhances vascular protection in experimental hypertension. <b>2012</b> , 7, e46067	18
329	Enhanced A[11-40) production in endothelial cells stimulated with fibrillar A[11-42). <b>2013</b> , 8, e58194	12
328	Adaptive induction of growth differentiation factor 15 attenuates endothelial cell apoptosis in response to high glucose stimulus. <b>2013</b> , 8, e65549	56
327	Endothelial relaxation mechanisms and oxidative stress are restored by atorvastatin therapy in ovariectomized rats. <b>2013</b> , 8, e80892	19
326	Resistin increases monolayer permeability of human coronary artery endothelial cells. 2013, 8, e84576	45
325	Remodeling of aorta extracellular matrix as a result of transient high oxygen exposure in newborn rats: implication for arterial rigidity and hypertension risk. <b>2014</b> , 9, e92287	18
324	Endurance capacity is not correlated with endothelial function in male university students. <b>2014</b> , 9, e103814	2
323	A blueberry-enriched diet improves renal function and reduces oxidative stress in metabolic syndrome animals: potential mechanism of TLR4-MAPK signaling pathway. <b>2014</b> , 9, e111976	37
322	Early Cellular Changes in the Ascending Aorta and Myocardium in a Swine Model of Metabolic Syndrome. <b>2016</b> , 11, e0146481	4
321	Docosahexaenoic Acid Supplemented Diet Influences the Orchidectomy-Induced Vascular Dysfunction in Rat Mesenteric Arteries. <b>2017</b> , 12, e0168841	6
320	Dietary docosahexaenoic acid supplementation prevents the formation of cholesterol oxidation products in arteries from orchidectomized rats. <b>2017</b> , 12, e0185805	3
319	Expression levels of heat shock protein 60 in human endothelial cells in vitro are unaffected by exposure to 50 Hz magnetic fields. <b>2003</b> , 8, 172-82	16
318	Oxidative stress promotes blood cell-endothelial cell interactions in the microcirculation. <b>2002</b> , 2, 165	10
317	Long-Term Priming by Three Small Molecules Is a Promising Strategy for Enhancing Late Endothelial Progenitor Cell Bioactivities. <b>2018</b> , 41, 582-590	1

## (2007-2019)

316	Is 3 Weeks of Exercise Enough to Change Blood Pressure and Cardiac Redox State in Hypertensive Rats?. <b>2019</b> , 20, 319-326	2
315	Effects of Ramadan Fasting on Serum Amyloid A and Protein Carbonyl Group Levels in Patients With Cardiovascular Diseases. <b>2015</b> , 7, 55-9	8
314	Protective effect of N-acetylcysteine against oxygen radical-mediated coronary artery injury. <b>2004</b> , 37, 1215-24	8
313	[Pathogenesis of endothelial dysfunction in cerebral atherosclerosis and their correction]. <b>2017</b> , 117, 67-70	1
312	SIRT1 reduces endothelial activation without affecting vascular function in ApoE-/- mice. 2010, 2, 353-60	116
311	The NADPH oxidase Nox4 and aging in the heart. <b>2010</b> , 2, 1012-6	52
310	Endothelial dysfunction and hypertension. <b>2008</b> , 14, 315-319	6
309	Endothelial biomarkers as the potential indices of course of hypertension in young patients. <b>2010</b> , 16, 261-265	1
308	Endothelial cell dysfunction and the vascular complications associated with type 2 diabetes: assessing the health of the endothelium. <b>2005</b> , 1, 55-71	80
307	Are we over oxidized? Oxidative stress, cardiovascular disease, and the future of intervention studies with antioxidants. <b>2005</b> , 1, 93-7	18
306	Dietary Polyphenols and Mitochondrial Function: Role in Health and Disease. <b>2019</b> , 26, 3376-3406	39
305	Mechanistic Insights of Soluble Uric Acid-related Kidney Disease. <b>2020</b> , 27, 5056-5066	10
304	Similarities and Differences Between Carotid Artery and Coronary Artery Function. 2018, 14, 254-263	3
303	Interrelationship Between Kidney Function and Percutaneous Mitral Valve Interventions: A Comprehensive Review. <b>2019</b> , 15, 76-82	5
302	Comprehensive Review on Diabetes Associated Cardiovascular Complications - The Vitamin D Perspective. <b>2019</b> , 19, 139-153	2
301	Cardiovascular dementia - a different perspective. <b>2010</b> , 4, 29-52	21
300	Dyslipidaemia in rheumatological autoimmune diseases. <b>2011</b> , 5, 64-75	59
299	Methylmercury Neurotoxicity: Exploring Potential Novel Targets. 2007, 1, 1-9	8

298	Reactive hyperemia test: methods of analysis, mechanisms of reaction and prospects. <b>2018</b> , 17, 5-22	5
297	The effect of L-arginine on serum lipids and nitrite levels, and the number of apoptotic cells, iNOS and eNOS expressions of aorta after the formation of fatty streaks in rabbit. <b>2008</b> , 6, 203-210	1
296	Reactive oxygen species production in the early and later stage of chronic ventilatory hypoxia. <b>2012</b> , 61, 145-51	10
295	Hydrogen sulfide improves the endothelial dysfunction in renovascular hypertensive rats. <b>2015</b> , 64, 663-72	30
294	Evidence that Nitric Oxide is Involved in the Blood Pressure Lowering Effect of the Peptide AVFQHNCQE in Spontaneously Hypertensive Rats. <b>2019</b> , 11,	8
293	Plasma and dietary antioxidant status as cardiovascular disease risk factors: a review of human studies. <b>2013</b> , 5, 2969-3004	125
292	Nitroglycerine effects on portal vein mechanics and oxidative stress in portal hypertension. <b>2012</b> , 18, 331-9	5
291	Protective Effect of Carvedilol on Paracetamol-induced Hepatotoxicity; Role of Modulation Inflammation and Lipid Peroxidation. <b>2016</b> , 13, 33-43	3
<b>2</b> 90	Hyperhomocysteinemia and Cardiovascular Disorders: Is There a Correlation?. 2007, 2, 160-166	10
289	Tanshinone IIA Protects Endothelial Cells from HDEInduced Injuries via PXR Activation. 2017, 25, 599-608	19
288	Protective effect of sitagliptin and rosuvastatin combination on vascular endothelial dysfunction in type-2 diabetes. <b>2015</b> , 77, 96-102	11
287	Protective effect of extract against HO-induced oxidative stress in human vascular endothelial cells. <b>2016</b> , 11, 383-389	16
286	Cytoprotective and antioxidant effects of human lactoferrin against H2O2-induced oxidative stress in human umbilical vein endothelial cells. <b>2015</b> , 4, 188	15
285	Oral Health and Erectile Dysfunction. <b>2017</b> , 10, 162-166	5
284	Roles of NADPH oxidase 2 and 4 in endothelial cell survival and death under serum depletion. <b>2014</b> , 04, 10-19	1
283	Dietary Fibers and Nutraceuticals for Primary Cardiovascular Prevention in Children and Adolescents: A Critical Review. <b>2013</b> , 04, 39-47	3
282	<i>Spirulina platensis</i> Alleviates the Liver, Brain and Heart Oxidative Stress in Type 1 Diabetic Rats. <b>2018</b> , 09, 735-750	3
281	Corruption of coronary collateral growth in metabolic syndrome: Role of oxidative stress. <b>2010</b> , 2, 421-7	21

280	Endothelium-derived hyperpolarizing factor and diabetes. <b>2011</b> , 3, 25-31	18
279	Upregulation of TNF-alpha and Receptors Contribute to Endothelial Dysfunction in Zucker Diabetic Rats. <b>2010</b> , 2, 1-12	16
278	Supplements and Foods with Potential Reduction of Blood Pressure in Prehypertensive and Hypertensive Subjects: A Systematic Review. <b>2013</b> , 2013, 1-15	2
277	INCREASED LEVEL OF ADVANCED OXIDATION PRODUCTS (AOPP) AS A MARKER OF OXIDATIVE STRESS IN PATIENTS WITH ACUTE CORONARY SYNDROME. <b>2005</b> , 149, 83-87	49
276	von Willebrand factor, C-reactive protein, nitric oxide, and vascular endothelial growth factor in a dietary reversal model of hypercholesterolemia in rabbit. <b>2008</b> , 152, 91-5	15
275	RhoA and Rac1 changes in the atherosclerotic lesions of WHHLMI rabbits. <b>2009</b> , 16, 846-56	8
274	Telomeres and atherosclerosis. <b>2012</b> , 23, 563-71	29
273	Deceased-Donor Smoking History Is Associated With Increased Recipient Mortality After Kidney Transplant: A Population-Cohort Study. <b>2019</b> , 17, 183-189	1
272	Cigarette Smoking, HDL-C Subfractions, and Lecithin: Cholesterol Acyltransferase in Collegiate Men. <b>2012</b> , 39, 535-539	1
271	Hypoalbuminaemiaa marker of cardiovascular disease in patients with chronic kidney disease stages II-IV. <b>2008</b> , 5, 366-70	27
270	Metabolic response of blood vessels to TNF⊞ <b>2020</b> , 9,	7
269	Suppression of VCAM-1 Expression in Human Aortic Smooth Muscle Cells Treated with Ethanol Extracts of Cynanchum wilfordii Radix, Arctium lappa L., and Dioscorea opposita. <b>2016</b> , 29, 525-531	3
268	Metformin in cardiovascular diabetology: a focused review of its impact on endothelial function. <b>2021</b> , 11, 9376-9396	6
267	Cardiac Oxidative Stress and the Therapeutic Approaches to the Intake of Antioxidant Supplements and Physical Activity. <b>2021</b> , 13,	3
266	The effects of vitamin D, fish oil and exercise on cardiovascular parameters in ovariectomized rats. <b>2021</b> , 46, 517-523	
265	Coronary Artery Disease and Endothelial Function. <b>2002</b> , 887-912	
264	Pleiotropic effects of HMG-CoA reductase inhibitors on cells of the vascular wall. 2002, 81-98	
263	Microcirculation in Hypertension. <b>2003</b> , 607-618	

262	Early detection of vascular disease in Type 2 Diabetes. <b>2003</b> , 19-37
261	Diet, oxidative stress and cardiovascular disease. <b>2004</b> , 263-282
260	Genetic Disruption of Nitric Oxide Synthases and Cardiovascular Disease: Lessons from a Candidate Gene. <b>2004</b> , 281-310
259	Renin-Angiotensin Inhibitors and Vascular Effects. <b>2004</b> , 65-78
258	????????? : ?????????????!!????????????
257	Testing Endothelial Function of Brachial and Cavernous Arteries in Patients with Erectile Dysfunction. <b>2006</b> , 061120051221035-???
256	References. <b>2005</b> , 177-277
255	Endothelial dysfunction. <b>2005</b> , 3-12
254	Regional Circulation. <b>2006</b> , 225-250
253	Pro-Oxidant Activity of Hemoglobin and Endothelial Cytotoxicity. <b>2006</b> , 206-216
253 252	Pro-Oxidant Activity of Hemoglobin and Endothelial Cytotoxicity. 2006, 206-216  Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. 2006, 155-166
252	Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. <b>2006</b> , 155-166
252 251	Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. <b>2006</b> , 155-166  Na,K-ATPase inhibitors in hypertension. <b>2006</b> , 306-311  Effects of PGC-1? on TNF-??Induced MCP-1 and VCAM-1 Expression and NF-?B Activation in Human
252 251 250	Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. 2006, 155-166  Na,K-ATPase inhibitors in hypertension. 2006, 306-311  Effects of PGC-1? on TNF-??Induced MCP-1 and VCAM-1 Expression and NF-?B Activation in Human Aortic Smooth Muscle and Endothelial Cells. 2006, 061221112325013
252 251 250 249	Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. 2006, 155-166  Na,K-ATPase inhibitors in hypertension. 2006, 306-311  Effects of PGC-1? on TNF-??Induced MCP-1 and VCAM-1 Expression and NF-?B Activation in Human Aortic Smooth Muscle and Endothelial Cells. 2006, 061221112325013  Hartfalen: een systemische aandoening. 2007, 47-69  Oxidative Stress Causes Vascular Insulin Resistance in OLETF Rat Through Increased IRS-1
252 251 250 249 248	Statins, Inflammation, and Cardiomyopathy: Old Pathways, New Targets. 2006, 155-166  Na,K-ATPase inhibitors in hypertension. 2006, 306-311  Effects of PGC-1? on TNF-??Induced MCP-1 and VCAM-1 Expression and NF-?B Activation in Human Aortic Smooth Muscle and Endothelial Cells. 2006, 061221112325013  Hartfalen: een systemische aandoening. 2007, 47-69  Oxidative Stress Causes Vascular Insulin Resistance in OLETF Rat Through Increased IRS-1 Degradation. 2007, 31, 22

## (2011-2008)

244	Hypertension, Diabetes, Oxidative Stress, and Cardiovascular Remodeling: Making the Connection with p66shc. <b>2008</b> , 279-291	
243	Role of Hyperglycemia and Redox-Induced Signaling in Vascular Complications of Diabetes. <b>2008</b> , 177-192	2
242	Antioxidants and Modulation of Cardiovascular Disease. 2008, 11-31	
241	Nitric Oxide <b>R</b> elated Oxidants in Health and Disease. <b>2008</b> , 33-44	
240	Bioavailability and Antioxidant Effect of Olive Oil Phenolic Compounds in Humans. 2008, 109-128	
239	Risk Factors Intervention. 2009, 313-350	
238	The role of Type 2 Diabetes as a predisposing risk factor on the pulpo-periapical pathogenesis: review article. <b>2009</b> , 34, 169	1
237	Endothelium: Dysfunction and Repair. <b>2009</b> , 187-210	
236	Noninvasive Assessments of Atherosclerosis for Risk Stratification. <b>2009</b> , 184-198	
235	A possible strategy for the prevention and preventive therapy of age-related macular degeneration based on recent pathophysiological and clinical observations. <b>2009</b> , 3, 415-430	
234	Pulmonary Energy Metabolism and Multiple Inflammatory Repercussions. <b>2010</b> , 245-249	
233	Reactive Oxygen Species, Oxidative Stress, and Hypertension. <b>2010</b> , 281-315	
232	The Role ABCG1 in Cellular Cholesterol Efflux: Relevance to Atherosclerosis and Endothelial Function. <b>2010</b> , 79-82	
231	Reactive Oxygen Species (ROS) and the Sensory Neurovascular Component. <b>2010</b> , 87-107	
230	Functional Studies of NADPH Oxidases in Human Vasculature. <b>2010</b> , 149-167	
229	[Treatment update on portal hypertension and complications]. <b>2010</b> , 56, 144-54	
228	Antioxidant Effect of Hederagenin 3-O-b-D-Glucopyranosyl(1->3)-a-L-Rhamnopyranosyl(1->2)-a-L-Arabinopyranoside (HDL) Isolated from Root Bark of Ulmus davidiana. <b>2010</b> , 20, 281-291	3
227	Pathophysiology of Vulnerability Caused by Thrombogenic (Vulnerable) Blood. <b>2011</b> , 53-66	

226	Animal Models for the Study of Erectile Function and Dysfunction. <b>2011</b> , 1-10	
225	Arsenic-Induced Oxidative Stress: Evidence on In Vitro Models of Cardiovascular, Diabetes Mellitus Type 2 and Neurodegenerative Disorders. <b>2011</b> , 659-680	
224	Endothelial Function and Dysfunction. <b>2011</b> , 526-539	
223	Coronary Artery Disease: Development and Progression. <b>2012</b> , 21-28	O
222	Selectins and Associated Adhesion Proteins in Inflammatory disorders. 2012, 991-1026	1
221	Alteraciones en la superficie ocular y en la pelɑ̃ula lagrimal en fumadores activos. <b>2012</b> , 10, 23	
220	Reducing Oxidative Stress and Manipulating Molecular Signaling Events Using Resveratrol as a Therapy for Pathological Cardiac Hypertrophy. <b>2013</b> , 227-254	
219	CHAPTER 6:Peroxynitrite Electrochemical Quantification: Recent Advances and Challenges. <b>2013</b> , 156-181	1
218	Physical Activity and Cardiovascular Diseases Epidemiology and Primary Preventive and Therapeutic Targets. <b>2013</b> , 127-144	
217	Endothelium and Oxidative Stress. <b>2013</b> , 171-197	
216	Peripheral Arterial Disease. <b>2014</b> , 115-145	
215	Ascorbat. 69-99	
214	Gender Differences in Clinical Manifestation and Pathophysiology of Ischemic Heart Disease- A Gender Paradox. <b>2014</b> , 45-60	
213	Therapeutic Insight Into Reactive Oxygen Species Regulation of Neovascularization. 2014, 1537-1554	
212	Mediators and Mechanisms of the Increased Blood Flow, Vascular Permeability, and Blood Vessel Proliferation in Inflamed Tissue. <b>2014</b> , 244-257	2
211	Targeting Superoxide Generation in Cardiovascular Diseases. <b>2014</b> , 1479-1496	
210	Dietary Fatty Acids, Redox Signaling, and the Heart. <b>2014</b> , 1497-1522	1
209	Gout: A clinical overview and its association with cardiovascular diseases. <b>2014</b> , 4, 62	

208	Functional Implications of Reactive Oxygen Species (ROS) in Human Blood Vessels. 2014, 1155-1176	O
207	Reactive Oxygen Species in the Pathogenesis of Chronic Kidney Disease: Lessons Derived from Diabetic Nephropathy. <b>2014</b> , 2675-2703	
206	Diagnosed, undiagnosed and overall atrial fibrillation research on population over 60 year-old. AFABE study. <b>2014</b> , 2, 3	
205	Pathophysiological Roles of Reactive Oxygen and Nitrogen Species. <b>2014</b> , 171-206	1
204	Glycemia and CVD and Its Management. 116-139	
203	[Role of renal inflammation in the physiopathology of salt-sensitive hypertension]. <b>2014</b> , 84, 211-7	
202	Oxidative Stress and Its Biomarkers in Cardiovascular Diseases: An Overview. <b>2015</b> , 131-141	
201	Biomarkers of Vascular Inflammation and Cardiovascular Disease. <b>2015</b> , 115-136	
200	Dysfonctions cardiovasculaires. <b>2015</b> , 297-314	
199	Lipid and Inflammation in Atherosclerosis. <b>2015</b> , 37-63	
198	The Pulmonary Vasculature in Chronic Obstructive Lung Disease. <b>2015</b> , 351-379	1
197	Pathophysiology of Hypertension in Chronic Kidney Disease and Dialysis. <b>2016</b> , 35-61	
196	Fibrosis of the Quadriceps Muscles Secondary to Sickle Cell Disease: A Case Report. <b>2016</b> , 06, 326-329	1
195	G-Proteins in Vascular Complications of Diabetes. <b>2017</b> , 305-324	
194	Functional Foods in Hypertension. <b>2017</b> , 376-396	
193	Effects of acute aerobic repetition exercise on the vascular endothelial function. 2017, 66, 437-444	1
192	T786C and G894T eNOS Polymorph <del>š</del> ms as a Risk Assessment of Coronary Artery D <del>š</del> ease. <b>2017</b> , 8,	1
191	Grapefruit Juice: Potential Functional Drink for Improved Antioxidant Capacity in Adults. <b>2017</b> , 4, 55-59	

190 Uric Acid-Hypertension Relationships. **2018**, 351-382

189	Purification and therapeutic potentialities of Phycocyanin in spirulina platensis. <b>2018</b> , 9,	
188	Role of iNOS in Insulin Resistance and Endothelial Dysfunction. <b>2019</b> , 461-482	2
187	Pharmacogenetic Implications of Statin Therapy on Oxidative Stress in Coronary Artery Disease. <b>2019</b> , 629-644	
186	Paraoxonase 1 and HDL functionality in 5-10 years duration of type 2 diabetes mellitus with diabetic foot. <b>2019</b> , 178,	О
185	Vascular endothelium function among male carriers of BRCA 1&2 germline mutation. <b>2019</b> , 10, 5041-5051	1
184	A mouse model of coronary microvacsular disease using a photochemical approach. <b>2019</b> , 4, 120-130	
183	Effect of direct renin inhibition on vascular function after long-term treatment with aliskiren in hypertensive and diabetic patients. <b>2021</b> , 39, 169-180	O
182	Putative anti-inflammatory, antioxidant, and anti-apoptotic roles of the natural tissue guardian methyl palmitate against isoproterenol-induced myocardial injury in rats. <b>2020</b> , 6,	1
181	Effects of aging on protein expression in mice brain microvessels: ROS scavengers, mRNA/protein stability, glycolytic enzymes, mitochondrial complexes, and basement membrane components. <b>2021</b> , 1	2
180	Crystallographic study, biological evaluation and DFT/POM/Docking analyses of pyrazole linked amide conjugates: Identification of antimicrobial and antitumor pharmacophore sites. <b>2021</b> , 1252, 131818	3
179	Composite Measures of Physical Fitness to Discriminate Between Healthy Aging and Heart Failure: The COmPLETE Study. <b>2020</b> , 11, 596240	1
178	Uric acid as a marker of severity of obstructive sleep apnoea syndrome in older patients. 2020, 78, 783-788	О
177	Atherogenesis and Vascular Biology. <b>2021</b> , 11-34	
176	Effects of nutritional status and changes in nutrient intake on renal function. 2022, 225-245	
175	Honey Intake and Risk of CVDs: A Mechanistic Disclosure. <b>2020</b> , 273-285	
174	Effects of Metformin compared to Thiazolidinediones on vascular endothelial function in Polycystic Ovary syndrome: A systematic review.	
173	Endoplasmic reticulum stress and associated ROS in disease pathophysiology applications. <b>2020</b> , 265-297	

172	Oxidant-Induced Models of Vascular Leak. <b>2020</b> , 95-108	
171	Single-cell RNA-seq reveals endoimmune cells in zebrafish.	1
170	Relationship between aerobic fitness, antioxidant capacity and the anti-aging hormone, Klotho. <b>2020</b> , 178,	
169	-Derived Peptides Ameliorate Inflammation and Mitochondrial Dysfunction in RAW264.7 Macrophages by Modulating the NF- <b>B</b> /COX-2 Pathway. <b>2021</b> , 10,	1
168	Fisiopatologia del sistema circolatorio. <b>2007</b> , 44-89	
167	Dynamic increase of intrahepatic vascular resistance in cirrhosis. 183-194	
166	Oxidative Stress. <b>2005</b> , 549-562	
165	Insulin Resistance and the Pathogenesis of Cardiovascular Disease. <b>2008</b> , 179-205	
164	Novel approaches to treat oxidative stress and cardiovascular diseases. <b>2007</b> , 118, 209-14	23
163	Effects of the vasodilating beta-blocker nebivolol on smoking-induced endothelial dysfunction in young healthy volunteers. <b>2008</b> , 4, 909-15	6
162	Capsaicin blocks HIV protease inhibitor ritonavir-induced vascular dysfunction in porcine pulmonary arteries. <b>2009</b> , 15, BR1-5	5
161	Enhancement of reactive oxygen species and induction of apoptosis in streptozotocin-induced diabetic rats under hyperbaric oxygen exposure. <b>2011</b> , 4, 255-66	23
160	Evidence of endothelial dysfunction in the development of Alzheimer's disease: Is Alzheimer's a vascular disorder?. <b>2013</b> , 3, 197-226	114
159	Effects and mechanisms of indol-2,3-dione on atherosclerosis. <b>2014</b> , 7, 2087-91	3
158	Erectile Dysfunction and Essential Hypertension: The Same Aging-related Disorder?. 2014, 16, 167-71	20
157	Does Vitamin C improve endothelial function in patients with Kawasaki disease?. <b>2015</b> , 20, 32-6	1
156	Dysfunction of the ubiquitin-proteasome system in atherosclerotic cardiovascular disease. <b>2015</b> , 5, 83-100	17
155	A Randomized, Controlled Pilot Study of the Effects of Acupuncture on Circulating Endothelial Progenitor Cells in Coronary Heart Disease. <b>2014</b> , 13, 27-33	1

154	Protective effects of ginsenoside Rg2 against H2O2-induced injury and apoptosis in H9c2 cells. <b>2015</b> , 8, 19938-47	18
153	Eupatilin protects against tumor necrosis factor—Emediated inflammation inhuman umbilical vein endothelial cells. <b>2015</b> , 8, 22191-7	6
152	Cellular and molecular mechanisms of endothelial ischemia/reperfusion injury: perspectives and implications for postischemic myocardial protection. <b>2016</b> , 8, 765-77	62
151	Women and Chest Pain: Recognizing the Different Faces of Angina in the Emergency Department. <b>2016</b> , 89, 227-38	9
150	Cytoprotective Effect of Hydroalcoholic Extract of Pinus eldarica Bark against H2O2-Induced Oxidative Stress in Human Endothelial Cells. <b>2016</b> , 20, 161-7	6
149	Implications of endothelial shear stress on systemic sclerosis vasculopathy and treatment. <b>2018</b> , 36 Suppl 113, 175-182	3
148	Understanding the association between endothelial dysfunction and left ventricle diastolic dysfunction in development of coronary artery disease and heart failure. <b>2021</b> , 92, e2021204	
147	Reduced nitric oxide bioavailability impairs myocardial oxygen balance during exercise in swine with multiple risk factors. <b>2021</b> , 116, 50	2
146	Is pathology useful in vascular surgery?. <b>2022</b> , 1-9	
145	Photoplethysmographic assessment of arterial stiffness and endothelial function. <b>2022</b> , 235-276	O
144	The Effect of Race and Shear Stress on CRP-Induced Responses in Endothelial Cells <b>2021</b> , 2021, 6687250	0
143	Mechanisms of Flow-Mediated Dilation of Pial Collaterals and the Effect of Hypertension. 2021, HYPERTENS	IONAHA12
142	Serum Potassium Levels of 4.5 to Less Than 5.0 mmol/L Are Associated with Better Vascular Function <b>2021</b> ,	O
141	A GPx-mimetic copper vanadate nanozyme mediates the release of nitric oxide from -nitrosothiols <b>2022</b> ,	2
140	Impact of Uremic Toxins on Endothelial Dysfunction in Chronic Kidney Disease: A Systematic Review <b>2022</b> , 23,	3
139	Tetrahydrobiopterin Administration Augments Exercise-Induced Hyperemia and Endothelial Function in Patients With Systemic Sclerosis <b>2021</b> , 8, 791689	
138	The role of nitric oxide in renovascular hypertension: from the pathophysiology to the treatment <b>2022</b> , 395, 121-131	5
137	Morphological and functional adaptation of pancreatic islet blood vessels to insulin resistance is impaired in diabetic db/db mice <b>2022</b> , 1868, 166339	1

136	Reduced nitric oxide bioavailability impairs myocardial oxygen balance during exercise in swine with multiple risk factors. <b>2021</b> , 116, 50	2
135	Mitochondrial DNA integrity and function are critical for endothelium-dependent vasodilation in rats with metabolic syndrome <b>2022</b> , 117, 3	1
134	Effects of soluble guanylate cyclase stimulator on renal function in ZSF-1 model of diabetic nephropathy <b>2022</b> , 17, e0261000	Ο
133	Multitarget Antioxidant NO-Donor Organic Nitrates: A Novel Approach to Overcome Nitrates Tolerance, an Ex Vivo Study <b>2022</b> , 11,	1
132	Kidney and lung in pathology: mechanisms and clinical implications <b>2022</b> , 17, 819	
131	Association of neovascular age-related macular degeneration with migraine <b>2022</b> , 12, 1792	1
130	A critical review of Astragalus polysaccharides: From therapeutic mechanisms to pharmaceutics <b>2022</b> , 147, 112654	2
129	Protein tyrosine nitration in atherosclerotic endothelial dysfunction <b>2022</b> , 529, 34-41	1
128	Nanoporous Ce-Based Metal®rganic Framework Nanoparticles for NO Sensing.	0
127	Natural Remedies for a Healthy Heart: The Evidence-Based Beneficial Effects of Polyphenols. <b>2022</b> , 141-190	
127	Natural Remedies for a Healthy Heart: The Evidence-Based Beneficial Effects of Polyphenols. <b>2022</b> , 141-190 Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs and Spices in Adults With Overweight/Obesity <b>2022</b> , 9, 811433	1
Í	Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs	1
126	Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs and Spices in Adults With Overweight/Obesity <b>2022</b> , 9, 811433	
126	Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs and Spices in Adults With Overweight/Obesity 2022, 9, 811433  Gene Therapy of Chronic Limb-Threatening Ischemia: Vascular Medical Perspectives 2022, 11,	0
126 125 124	Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs and Spices in Adults With Overweight/Obesity 2022, 9, 811433  Gene Therapy of Chronic Limb-Threatening Ischemia: Vascular Medical Perspectives 2022, 11,  Cardiac Remodelling Part 1: From Cells and Tissues to Circulating Biomarkers 2022,  Impact of angiotensin receptor-neprilysin inhibition on vascular function in heart failure with	0 2
126 125 124	Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs and Spices in Adults With Overweight/Obesity 2022, 9, 811433  Gene Therapy of Chronic Limb-Threatening Ischemia: Vascular Medical Perspectives 2022, 11,  Cardiac Remodelling Part 1: From Cells and Tissues to Circulating Biomarkers 2022,  Impact of angiotensin receptor-neprilysin inhibition on vascular function in heart failure with reduced ejection fraction: A pilot study 2022, 10, e15209	2
126 125 124 123	Endothelial Function and Postprandial Glucose Control in Response to Test-Meals Containing Herbs and Spices in Adults With Overweight/Obesity 2022, 9, 811433  Gene Therapy of Chronic Limb-Threatening Ischemia: Vascular Medical Perspectives 2022, 11,  Cardiac Remodelling Part 1: From Cells and Tissues to Circulating Biomarkers 2022,  Impact of angiotensin receptor-neprilysin inhibition on vascular function in heart failure with reduced ejection fraction: A pilot study 2022, 10, e15209  Hsp90 in Human Diseases: Molecular Mechanisms to Therapeutic Approaches 2022, 11,  Oxidative Stress, Vascular Endothelium, and the Pathology of Neurodegeneration in Retina 2022,	o 2 2 2

118	Reactive Oxygen Species and Oxidative Stress in Vascular-Related Diseases <b>2022</b> , 2022, 7906091	1
117	Design of biodegradable 3D-printed cardiovascular stent. <b>2022</b> , 26, e00204	1
116	Relationship of smoking with COVID-19 and its adverse effects. <b>2021</b> , 7,	
115	Evaluation of salivary and serum methylated arginine metabolites and nitric oxide synthase in advanced periodontitis patients <b>2022</b> , 1	Ο
114	Table_1.DOCX. <b>2020</b> ,	
113	Table_2.XLSX. <b>2020</b> ,	
112	Data_Sheet_1.PDF. <b>2020</b> ,	
111	Table_1.pdf. <b>2019</b> ,	
110	lmage_1.JPEG. <b>2019</b> ,	
109	lmage_1.jpg. <b>2019</b> ,	
108	Evaluating Trastuzumab in the treatment of HER2 positive breast cancer. <b>2020</b> , 35, 1059-1075	1
107	Nitric Oxide on Pathophysiology of SARS-CoV 19: Toward Possible Role of Acupuncture Treatment <b>2021</b> , 17, 40-45	
106	Endothelial Nitric Oxide Synthase (eNOS) and the Cardiovascular System: in Physiology and in Disease States <b>2022</b> , 15, 153-177	0
105	Cysteine and related aminothiols in cardiovascular disease, obesity and insulin resistance. 2022,	
104	Basal Vascular Smooth Muscle Cell Tone in eNOS Knockout Mice Can Be Reversed by Cyclic Stretch and Is Independent of Age <b>2022</b> , 13, 882527	1
103	Reversal of NADPH Oxidase-Dependent Early Oxidative and Inflammatory Responses in Chronic Obstructive Pulmonary Disease by Puerarin. <b>2022</b> , 2022, 1-24	O
102	Long-Term Effect of Febuxostat on Endothelial Function in Patients With Asymptomatic Hyperuricemia: A Sub-Analysis of the PRIZE Study <b>2022</b> , 9, 882821	0
101	Single-Cell Analysis Reveals Transcriptomic Reprogramming in Aging Cardiovascular Endothelial Cells. <b>2022</b> , 9,	O

100	Redox Homeostasis Alteration in Endothelial Mechanotransduction Monitored by Dual Stretchable Electrochemical Sensors <b>2022</b> ,	2
99	Flavored and Nicotine-Containing E-Cigarettes Induce Impaired Angiogenesis and Diabetic Wound Healing via Increased Endothelial Oxidative Stress and Reduced NO Bioavailability. <b>2022</b> , 11, 904	2
98	Severe Hypoglycemia and Cardiovascular Disease. <b>2022</b> , 100357	
97	Protective role of vitamin D against radiation hazards in rats fed on high fat diet. <b>2022</b> , 15, 25-32	
96	Exercise and the hallmarks of peripheral arterial disease <b>2022</b> , 350, 41-50	0
95	CircRNAthiRNA interactions in atherogenesis.	0
94	Novel and robust attenuating effects on pulmonary hypertension of Netrin-1 and netrin-1-derived small peptides. <b>2022</b> , 102348	0
93	The Role of EBP50 in Regulating Endothelial-To-Mesenchymal Transition in Pulmonary Hypertension.	
92	Skeletal Muscle Contractile Function in Heart Failure With Reduced Ejection Fraction Focus on Nitric Oxide. <b>2022</b> , 13,	О
91	Up-regulation of B-cell lymphoma factor-2 expression, inhibition of oxidative stress and down-regulation of pro-inflammatory cytokines are involved in the protective effect of cabbage (Brassica oleracea) juice in lead-induced endothelial dysfunction in rats. <b>2022</b> , 73, 127014	1
90	Antioxidants and cardiovascular diseases. <b>2022</b> , 613-640	
89	Aortic Stiffness in L-NAME Treated C57Bl/6 Mice Displays a Shift From Early Endothelial Dysfunction to Late-Term Vascular Smooth Muscle Cell Dysfunction. 13,	1
88	Protective Effects of Diets Rich in Polyphenols in Cigarette Smoke (CS)-Induced Oxidative Damages and Associated Health Implications. <b>2022</b> , 11, 1217	2
87	Nitric oxide improves regeneration and prevents calcification in bio-hybrid vascular grafts via regulation of vascular stem/progenitor cells. <b>2022</b> , 39, 110981	1
86	Activation of AMPK/miR-181b Axis Alleviates Endothelial Dysfunction and Vascular Inflammation in Diabetic Mice. <b>2022</b> , 11, 1137	1
85	Roles of neutrophil reactive oxygen species (ROS) generation in organ function impairment in sepsis. <b>2022</b> , 23, 437-450	О
84	Mechanism of two alkaloids isolated from coral endophytic fungus for suppressing angiogenesis in atherosclerotic plaque in HUVEC. <b>2022</b> , 109, 108931	1
83	Clinical investigations of vascular function. <b>2022</b> , 181-196	

82	A New Biomarker in The Distinction Between Stable Coronary Artery Disease and Acute Coronary Syndrome:Thiols. <b>2022</b> , 12, 1-6	
81	Extra- versus intracranial atherosclerosis: two facets of the same problem. <b>2022</b> , 27, 11-19	Ο
80	Paroxysmal Finger Hematoma Probable Vascular Disorder in Post-COVID-19 Condition: Two Clinical Case Presentations. <b>2022</b> , 58, 915	
79	Evaluation of endothelial cell-specific molecule-1 as a biomarker of glycocalyx damage in canine myxomatous mitral valve disease. <b>2022</b> , 18,	
78	Tissue Engineering Approaches to Uncover Therapeutic Targets for Endothelial Dysfunction in Pathological Microenvironments. <b>2022</b> , 23, 7416	O
77	Crystallographic study, biological assessment and POM/Docking studies of pyrazoles-sulfonamide hybrids (PSH): Identification of a combined Antibacterial/Antiviral pharmacophore sites leading to in-silico screening the anti-Covid-19 activity. <b>2022</b> , 1267, 133605	1
76	Angiogenic ability of human endothelial cells was decreased following senescence induction with hydrogen peroxide: possible role of vegfr-2/akt-1 signaling pathway. <b>2022</b> , 23,	0
75	Potential of the TRPM7 channel as a novel therapeutic target for pulmonary arterial hypertension. <b>2022</b> , 58, 50-62	O
74	Oxidative Stress in Cardiovascular Diseases.	
73	Determining Underlying Mechanisms of Early Vascular Ageing by Clustered Analysis: The African-PREDICT Study. <b>2022</b> ,	O
72	Association of Exercise With Vascular Function in Patients With CKD: A Meta-Analysis of Randomized Controlled Trials. 9,	
71	Disturbance of Fatty Acid Metabolism Promoted Vascular Endothelial Cell Senescence via Acetyl-CoA-Induced Protein Acetylation Modification. <b>2022</b> , 2022, 1-24	O
70	Impact of Highly Saturated versus Unsaturated Fat Intake on Carbohydrate Metabolism and Vascular Reactivity in Rat. <b>2022</b> , 2022, 1-11	
69	The Relationship between Oxidative Stress and Subjective Sleep Quality in People with Coronary Artery Disease. <b>2022</b> , 12, 1070	
68	NADPH Oxidase Isoforms in COPD Patients and Acute Cigarette Smoke-Exposed Mice: Induction of Oxidative Stress and Lung Inflammation. <b>2022</b> , 11, 1539	1
67	A lone spike in blood glucose can enhance the thrombo-inflammatory response in cortical vessels.	
66	Tetrahydrocurcumin-Related Vascular Protection: An Overview of the Findings from Animal Disease Models. <b>2022</b> , 27, 5100	1
65	Expression of CD70 Modulates Nitric Oxide and Redox Status in Endothelial Cells. <b>2022</b> , 42, 1169-1185	Ο

64	Misuse of Cardiac Lipid upon Exposure to Toxic Trace Elements Focused Review. <b>2022</b> , 27, 5657	0
63	Noncanonical Role of Telomerase in Regulation of Microvascular Redox Environment With Implications for Coronary Artery Disease. <b>2022</b> , 3,	1
62	Echocardiographic features of left ventricular dysfunction and outcomes in chronic kidney disease. heartjn	l-20 <b>2</b> 2-32140
61	Estrogen signaling as a bridge between the nucleus and mitochondria in cardiovascular diseases. 10,	O
60	Toxicity Study of 3-Thienylalanine- Ornithine-Proline (TOP) Using as Novel ACE Inhibitor. <b>2022</b> , 28,	0
59	The Protective Effects on Ischemia <b>R</b> eperfusion Injury Mechanisms of the Thoracic Aorta in Daurian Ground Squirrels (Spermophilus dauricus) over the Torpor <b>A</b> rousal Cycle of Hibernation. <b>2022</b> , 23, 10248	О
58	Is there a paradigm shift in preventing diabetic heart failure? A review of SGLT2 inhibitors. 2022, 47,	0
57	Ajuga bracteosa Exerts Antihypertensive Activity in l-NAME-Induced Hypertension Possibly through Modulation of Oxidative Stress, Proinflammatory Cytokines, and the Nitric Oxide/Cyclic Guanosine Monophosphate Pathway. <b>2022</b> , 7, 33307-33319	1
56	Antioxidant and neuroprotective actions of resveratrol in cerebrovascular diseases. 13,	1
55	Protection of Erythrocytes and Microvascular Endothelial Cells against Oxidative Damage by Fragaria vesca L. and Rubus idaeus L. Leaves ExtractsThe Mechanism of Action. <b>2022</b> , 27, 5865	1
54	Bioactive peptides in the pancreatin-hydrolysates of whey protein support cell proliferation and scavenge reactive oxygen species. <b>2022</b> , 26, 232-242	0
53	Atherogenic Indices as a Predictor of Aortic Calcification in Prostate Cancer Patients Assessed Using 18F-Sodium Fluoride PET/CT. <b>2022</b> , 23, 13056	1
52	Lagerstroemia speciosa Ameliorated Blood Pressure in LNAME Induced Hypertension in Experimental Rats through NO/cGMP and Oxidative Stress Modulation. <b>2022</b> , 2022, 1-8	0
51	Effect of benzo(a)pyrene on oxidative stress and inflammatory mediators in astrocytes and HIV-infected macrophages. <b>2022</b> , 17, e0275874	Ο
50	The Impact of Oxidative Stress on Pediatrics Syndromes. <b>2022</b> , 11, 1983	3
49	Effects of a catechins-enriched diet associated with moderate physical exercise in the prevention of hypertension in spontaneously hypertensive rats. <b>2022</b> , 12,	O
48	The impact of exercise training on endothelial function in postmenopausal women: A systematic review.	0
47	Beneficial Effects of RNS60 in Cardiac Ischemic Injury. <b>2022</b> , 44, 4877-4887	1

46	Stretchable Electrochemical Sensors: From Electrode Fabrication to Cell Mechanotransduction Monitoring.	О
45	Association between atherogenic risk-modulating proteins and endothelium-dependent flow-mediated dilation in coronary artery disease patients.	O
44	Free radicals. <b>2023</b> , 211-226	1
43	Vascular dysfunction in COVID-19 patients: update on SARS-CoV-2 infection of endothelial cells and the role of long non-coding RNAs. <b>2022</b> , 136, 1571-1590	O
42	Oleocanthal Supplemented Diet Improves Renal Damage And Endothelial Dysfunction In Pristane-Induced Systemic Lupus Erythematosus In Mice. <b>2022</b> , 112140	0
41	Endoplasmic reticulum as a therapeutic target in type 2 diabetes: Role of phytochemicals. <b>2023</b> , 114, 109508	O
40	Mechanisms of action of vitamin D in delaying aging and preventing disease by inhibiting oxidative stress. <b>2022</b> ,	1
39	Modern possibilities and prospects of conservative treatment of patients with peripheral arterial diseases. <b>2022</b> , 19, 50-60	O
38	Dual Bioactivity of Angiotensin Converting Enzyme Inhibition and Antioxidant Novel Tripeptides from Sipunculus nudus L. and Their Related Mechanism Analysis for Antihypertention. <b>2023</b> , 29,	О
37	Hyperuricemia and Endothelial Function: Is It a Simple Association or Do Gender Differences Play a Role in This Binomial?. <b>2022</b> , 10, 3067	1
36	Human skeletal muscle nitrate and nitrite in individuals with peripheral arterial disease: Effect of inorganic nitrate supplementation and exercise. <b>2022</b> , 10,	О
35	Peroxisome proliferator-activated receptor Leoactivator 1-Leoverexpression improves angiogenic signalling potential of skeletal muscle-derived extracellular vesicles.	O
34	Potential Role of Oxidative Stress in the Production of Volatile Organic Compounds in Obesity. <b>2023</b> , 12, 129	О
33	Role of inflammation, immunity, and oxidative stress in hypertension: New insights and potential therapeutic targets. 13,	1
32	In vitro effects of alcesefoliside and mauritianin, isolated from Astragalus monspessulanus subsp. monspessulanus, on the contractility of a. basilaris. <b>2023</b> , 70, 15-19	О
31	Design of carbon dots as nanozymes to mediate redox biological processes.	O
30	The association between denture use and cardiovascular diseases. The United States National Health and Nutrition Examination Survey 2009\( \begin{align*} \delta 0.18.9, \end{align*}	О
29	Vitamin D Receptor Expression Limits the Angiogenic and Inflammatory Properties of Retinal Endothelial Cells. <b>2023</b> , 12, 335	O

28	The Association of Smoking with Components of the Metabolic Syndrome in Non-diabetic Patients. <b>2008</b> , 37, 919-923	O
27	QualiQuantitative Fingerprinting of the Fruit Extract of Uapaca bojeri Bail. (Euphorbiaceae) and Its Antioxidant, Analgesic, Anti-Inflammatory, and Antihyperglycemic Effects: An Example of Biodiversity Conservation and Sustainable Use of Natural Resources in Madagascar. <b>2023</b> , 12, 475	O
26	Glutathione peroxidase-like nanozymes: Mechanism, classification, and bioapplication.	1
25	Role of Nitric Oxide Synthases in Doxorubicin-Induced Cardiomyopathy. <b>2023</b> , 127-145	O
24	Human Plasma Xanthine Oxidoreductase Activity in Cardiovascular Disease: Evidence from a Population-Based Study. <b>2023</b> , 11, 754	О
23	Selenium, Stroke, and Infection: A Threefold Relationship; Where Do We Stand and Where Do We Go?. <b>2023</b> , 15, 1405	O
22	Stretchable Oxygen-Tolerant Sensor Based on a Single-Atom FeN4 Electrocatalyst for Observing the Role of Oxidative Stress in Hypertension. <b>2023</b> , 95, 5159-5167	O
21	Cellular heterogeneity and stem cells of vascular endothelial cells in blood vessel formation and homeostasis: Insights from single-cell RNA sequencing. 11,	O
20	Stachydrine, a potential drug for the treatment of cardiovascular system and central nervous system diseases. <b>2023</b> , 161, 114489	0
19	SGLT2 inhibition ameliorates nano plastics-induced premature endothelial senescence and dysfunction. <b>2023</b> , 13,	O
18	Soluble guanylate cyclase agonist, isoliquiritigenin attenuates renal damage and aortic calcification in a rat model of chronic kidney failure. <b>2023</b> , 317, 121460	0
17	The mechanism and therapy of aortic aneurysms. <b>2023</b> , 8,	O
16	Daily blueberry consumption for 12 weeks improves endothelial function in postmenopausal women with above-normal blood pressure through reductions in oxidative stress: a randomized controlled trial. <b>2023</b> , 14, 2621-2641	О
15	H2S Prodrug, SG-1002, Protects against Myocardial Oxidative Damage and Hypertrophy In Vitro via Induction of Cystathionine Esynthase and Antioxidant Proteins. <b>2023</b> , 11, 612	O
14	Screening for Coronary Artery Disease in Cancer Survivors. <b>2023</b> , 5, 22-38	O
13	Altered Storage and Function of von Willebrand Factor in Human Cardiac Microvascular Endothelial Cells Isolated from Recipient Transplant Hearts. <b>2023</b> , 24, 4553	Ο
12	Sestrin2 as a Protective Shield against Cardiovascular Disease. <b>2023</b> , 24, 4880	O
11	Fibroblast growth factor 18 alleviates stress-induced pathological cardiac hypertrophy in male mice. <b>2023</b> , 14,	Ο

10	Nitric Oxide and Cardiovascular Health. <b>2023</b> , 15-39	O
9	Endothelial dysfunction due to eNOS uncoupling: molecular mechanisms as potential therapeutic targets. <b>2023</b> , 28,	O
8	Interrelation between the parameters of endogenous vascular regulation, oxidative stress and the markers of inflammatory response in COVID-19 patients while on extracorporeal membrane oxygenation. <b>2023</b> , 15, 10-22	O
7	E-Cigarette Aerosol Condensate Leads to Impaired Coronary Endothelial Cell Health and Restricted Angiogenesis. <b>2023</b> , 24, 6378	O
6	Association Between Blood Selenium Levels and Stroke: A Study Based on the NHANES (2011-2018).	O
5	Nanohybrid Double Network Hydrogels Based on a Platinum Nanozyme Composite for Antimicrobial and Diabetic Wound Healing. <b>2023</b> , 15, 17612-17626	O
4	Role of antimicrobial peptide cathelicidin in thrombosis and thromboinflammation. 14,	O
3	Moderate-Intensity Exercise Improves Mesenteric Arterial Function in Male UC Davis Type-2 Diabetes Mellitus (UCD-T2DM) Rats: A Shift in the Relative Importance of Endothelium-Derived Relaxing Factors (EDRF). <b>2023</b> , 11, 1129	O
2	Noncoding RNAs as Key Regulators for Cardiac Development and Cardiovascular Diseases. <b>2023</b> , 10, 166	0
1	Oxidative Stress and Antioxidant Therapy in Pulmonary Hypertension. <b>2023</b> , 12, 1006	O