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**NAD(P)H oxidase: role in cardiovascular biology and disease**

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1193	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
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1188	Wine polyphenols improve endothelial function in large vessels of female spontaneously hypertensive rats. <b>2008</b> , 51, 1088-95		84
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1165	Hypertension increases pro-oxidant generation and decreases antioxidant defense in the kidney in early diabetes. <b>2008</b> , 28, 133-42		31
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1135	Angiotensin II regulates cardiac hypertrophy via oxidative stress but not antioxidant enzyme activities in experimental renovascular hypertension. <b>2008</b> , 31, 325-34		21
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1032	Aspects of Nox/Duox Signaling. 317-349		
1031	Central sympathetic overactivity: maladies and mechanisms. <b>2009</b> , 148, 5-15		128
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1022	Flavonoids from <i>Inula britannica</i> L. inhibit injury-induced neointimal formation by suppressing oxidative-stress generation. <b>2009</b> , 126, 176-83		13
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822	The protective role of l-carnitine against cylindrospermopsin-induced oxidative stress in tilapia ( <i>Oreochromis niloticus</i> ). <b>2013</b> , 132-133, 141-50	24

821	Function and design of the Nox1 system in vascular smooth muscle cells. <b>2013</b> , 7, 20	9
820	Expression of the apelin-APJ pathway and effects on erectile function in a mouse model of vasculogenic erectile dysfunction. <b>2013</b> , 10, 2928-41	9
819	Sphingolipids in Disease. <b>2013</b> ,	6
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817	Expression of angiotensinogen and receptors for angiotensin and prorenin in the monkey and human substantia nigra: an intracellular renin-angiotensin system in the nigra. <b>2013</b> , 218, 373-88	72
816	Protective effect of soybeans as protein source in the diet against cadmium-aorta redox and morphological alteration. <b>2013</b> , 272, 806-15	14
815	Dopaminergic degeneration is enhanced by chronic brain hypoperfusion and inhibited by angiotensin receptor blockage. <b>2013</b> , 35, 1675-90	28
814	Polymorphism in the HMOX1 gene is associated with high levels of fetal hemoglobin in Brazilian patients with sickle cell anemia. <b>2013</b> , 37, 315-24	8
813	New biomarkers and heart failure. <b>2013</b> , 55, e345-e354	4
812	Apocynin suppresses the progression of atherosclerosis in apoE-deficient mice by inactivation of macrophages. <b>2013</b> , 431, 124-30	20
811	Cell Signaling and Transcription. <b>2013</b> , 179-202	1
810	Peach ( <i>Prunus persica</i> ) extract inhibits angiotensin II-induced signal transduction in vascular smooth muscle cells. <b>2013</b> , 139, 371-6	9
809	Identification of stable cytotoxic factors in the gas phase extract of cigarette smoke and pharmacological characterization of their cytotoxicity. <b>2013</b> , 314, 1-10	33
808	Inhibition of central angiotensin II enhances memory function and reduces oxidative stress status in rat hippocampus. <b>2013</b> , 43, 79-88	56
807	Renovascular hypertension leads to DNA damage and apoptosis in bone marrow cells. <b>2013</b> , 32, 458-66	14
806	Brain angiotensin regulates iron homeostasis in dopaminergic neurons and microglial cells. <b>2013</b> , 250, 384-96	32
805	Impaired NADPH oxidase activity in peripheral blood lymphocytes of galactosemia patients. <b>2013</b> , 238, 779-86	7
804	Targeting cancer cell mitochondria as a therapeutic approach. <b>2013</b> , 5, 53-67	134



803	Role of phospholemman and the 70 kDa inhibitor protein in regulating Na <sup>+</sup> /K <sup>+</sup> ATPase activity in pulmonary artery smooth muscle cells under U46619 stimulation. <b>2013</b> , 587, 3535-40		5
802	Redox-sensitive transcription factor Nrf2 regulates vascular smooth muscle cell migration and neointimal hyperplasia. <b>2013</b> , 33, 760-8		58
801	Effect of reactive oxygen species and nitric oxide in the neural control of intrarenal haemodynamics in anaesthetized normotensive rats. <b>2013</b> , 209, 156-66		10
800	Epidermal growth factor receptor inhibitor PKI-166 governs cardiovascular protection without beneficial effects on the kidney in hypertensive 5/6 nephrectomized rats. <b>2013</b> , 345, 393-403		20
799	XJP-1 protects endothelial cells from oxidized low-density lipoprotein-induced apoptosis by inhibiting NADPH oxidase subunit expression and modulating the PI3K/Akt/eNOS pathway. <b>2013</b> , 58, 78-86		21
798	NADPH oxidases in heart failure: poachers or gamekeepers?. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 1024-41	8.4	140
797	NADPH oxidase 4 is required for interleukin-1 $\beta$ -mediated activation of protein kinase C $\alpha$ and downstream activation of c-jun N-terminal kinase signaling in smooth muscle. <b>2013</b> , 54, 125-34		11
796	Efficacy of <i>Jasminum grandiflorum</i> L. leaf extract on dermal wound healing in rats. <b>2013</b> , 10, 675-82		22
795	Reduced atherosclerotic burden in subjects with genetically determined low oxidative stress. <b>2013</b> , 33, 406-12		46
794	Losartan pretreatment reduces neurodegeneration and behavioural symptoms in 6-hydroxydopamine induced unilateral rat model of Parkinson's disease. <b>2013</b> , 20, 243-248		2
793	Application of Electrode Methods in Studies of Nitric Oxide Metabolism and Diffusion Kinetics. <b>2013</b> , 688, 32-39		5
792	Daily green tea extract supplementation reduces prothrombotic and inflammatory states in dialysis patients. <i>Journal of Functional Foods</i> , <b>2013</b> , 5, 1366-1371	5.1	11
791	Effects of imperatorin, the active component from <i>Radix Angelicae</i> (Baizhi), on the blood pressure and oxidative stress in 2K,1C hypertensive rats. <b>2013</b> , 20, 1048-54		44
790	Hydroxysafflor yellow A suppresses oleic acid-induced acute lung injury via protein kinase A. <b>2013</b> , 272, 895-904		17
789	Arginase in retinopathy. <b>2013</b> , 36, 260-80		52
788	Safflor yellow B suppresses angiotensin II-mediated human umbilical vein cell injury via regulation of Bcl-2/p22(phox) expression. <b>2013</b> , 273, 59-67		19
787	Catalpol suppresses advanced glycation end-products-induced inflammatory responses through inhibition of reactive oxygen species in human monocytic THP-1 cells. <b>2013</b> , 86, 19-28		51
786	Angiotensin-converting enzyme 2 antagonizes angiotensin II-induced pressor response and NADPH oxidase activation in Wistar-Kyoto rats and spontaneously hypertensive rats. <b>2013</b> , 98, 109-22		52

785	Angiotensin II-induced production of mitochondrial reactive oxygen species: potential mechanisms and relevance for cardiovascular disease. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1085-94	8.4	197
784	Reactive Oxygen Species in Physiologic and Pathologic Angiogenesis. <b>2013</b> , 71-92		1
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782	Signaling pathways involved in the H <sub>2</sub> O <sub>2</sub> -induced vasoconstriction of rat coronary arteries. <b>2013</b> , 60, 136-46		23
781	A novel paradigm for heart failure with preserved ejection fraction: comorbidities drive myocardial dysfunction and remodeling through coronary microvascular endothelial inflammation. <b>2013</b> , 62, 263-71		179 <sup>1</sup>
780	Increased oxidative stress in obesity: implications for metabolic syndrome, diabetes, hypertension, dyslipidemia, atherosclerosis, and cancer. <b>2013</b> , 7, e330-41		380
779	Oxidative Stress and Apoptotic Biomarkers in Diabetic Retinopathy. <b>2013</b> , 175-209		
778	Oxidative inhibition of the vascular Na <sup>+</sup> -K <sup>+</sup> pump via NADPH oxidase-dependent $\beta$ -subunit glutathionylation: implications for angiotensin II-induced vascular dysfunction. <b>2013</b> , 65, 563-572		25
777	Redox regulation of stem/progenitor cells and bone marrow niche. <b>2013</b> , 54, 26-39		126
776	Visualizing oxidative stress-induced depression of cardiac vagal baroreflex by MRI/DTI in a mouse neurogenic hypertension model. <b>2013</b> , 82, 190-9		24
775	Quercetin and quercetin-3-O-glucuronide are equally effective in ameliorating endothelial insulin resistance through inhibition of reactive oxygen species-associated inflammation. <b>2013</b> , 57, 1037-45		73
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773	Treatment with n-3 polyunsaturated fatty acids reverses endothelial dysfunction and oxidative stress in experimental menopause. <b>2013</b> , 24, 371-9		46
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768	Andrographolide, a Novel NF- $\kappa$ B Inhibitor, Induces Vascular Smooth Muscle Cell Apoptosis via a Ceramide-p47phox-ROS Signaling Cascade. <b>2013</b> , 2013, 821813		27

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758	Rho kinases in cardiovascular physiology and pathophysiology: the effect of fasudil. <b>2013</b> , 62, 341-54		105
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755	Heart Mitochondrial ROS and Oxidative Stress. <b>2013</b> , 205-223		
754	The Role of Mitochondria in Hypertension. <b>2013</b> , 305-312		
753	Benzo[a]pyrene induces oxidative stress and endothelial progenitor cell dysfunction via the activation of the NF- $\kappa$ B pathway. <b>2013</b> , 31, 922-30		49
752	Evaluation of plasma oxidative status in patients with slow coronary flow. <b>2013</b> , 71, 588-94		10
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743	Melatonin ameliorates angiotensin II-induced vascular endothelial damage via its antioxidative properties. <b>2013</b> , 55, 287-93		22
742	Coronary artery spasm related to thiol oxidation and senescence marker protein-30 in aging. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1063-73	8.4	14
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734	How T cells trigger the dissociation of the endothelial receptor phosphatase VE-PTP from VE-cadherin. <b>2013</b> , 122, 2512-22		61
733	Antioxidant and pro-oxidant effects of oil palm ( <i>Elaeis guineensis</i> ) leaves extract in experimental diabetic nephropathy: a duration-dependent outcome. <b>2013</b> , 13, 242		15
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716	Intestinal NADPH oxidase 2 activity increases in a neonatal rat model of necrotizing enterocolitis. <b>2014</b> , 9, e115317	7
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714	Application of a nitric oxide sensor in biomedicine. <b>2014</b> , 4, 1-17	12

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712	Cardiovascular complications of sleep apnea: role of oxidative stress. <b>2014</b> , 2014, 985258	54
711	Human atrium transcript analysis of permanent atrial fibrillation. <b>2014</b> , 55, 71-7	12
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699	Glucose fluctuations increase the incidence of atrial fibrillation in diabetic rats. <b>2014</b> , 104, 5-14	75
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696	Loss of NOX2 (gp91phox) prevents oxidative stress and progression to advanced heart failure. <b>2014</b> , 127, 331-40	32

695	Cholesterol: A modulator of the phagocyte NADPH oxidase activity - A cell-free study. <b>2014</b> , 3, 16-24		12
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693	Celastrol suppresses obesity process via increasing antioxidant capacity and improving lipid metabolism. <b>2014</b> , 744, 52-8		64
692	Hypertension during vascular endothelial growth factor inhibition: focus on nitric oxide, endothelin-1, and oxidative stress. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 135-45	8.4	66
691	Enhancing vascular relaxing effects of nitric oxide-donor ruthenium complexes. <b>2014</b> , 6, 825-38		7
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685	Oxidative stress in patients affected by primary aldosteronism. <b>2014</b> , 32, 2022-9; discussion 2029		40
684	Arterial hypertension in a murine model of sleep apnea: role of NADPH oxidase 2. <b>2014</b> , 32, 300-5		41
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681	Alcohol-induced hypertension: Mechanism and prevention. <b>2014</b> , 6, 245-52		129
680	Roles of oxidative stress, adiponectin, and nuclear hormone receptors in obesity-associated insulin resistance and cardiovascular risk. <b>2014</b> , 19, 75-88		30
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672	Hydrogen peroxide signaling in vascular endothelial cells. <b>2014</b> , 2, 529-34	131
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664	Studies on Pediatric Disorders. <b>2014</b> ,	3
663	Treatment with angiotensin II receptor blockers is associated with prolonged relapse-free survival, lower relapse rate, and corticosteroid-sparing effect in patients with giant cell arteritis. <b>2014</b> , 43, 772-7	18
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656	Effects of Xin-Ji-Er-Kang formula on 2K1C-induced hypertension and cardiovascular remodeling in rats. <b>2014</b> , 155, 1227-35	18
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648	Fishing for fire: strategies for biological targeting and criteria for material design in anti-inflammatory therapies. <b>2014</b> , 25, 478-498	22
647	Epalrestat induces cell proliferation and migration in endothelial cells via mTOR activation through PI3/Akt signaling. <b>2014</b> , 5, 105-111	1
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640	Endogenous antioxidant defense induction by melon superoxide dismutase reduces cardiac hypertrophy in spontaneously hypertensive rats. <b>2014</b> , 65, 602-9		12
639	Emerging concepts in hypertension. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 69-73	8.4	10
638	Physico-Chemical and Biochemical Properties of Bioconjugates. <b>2014</b> , 431-443		0
637	Antioxidant effect of imperatorin from <i>Angelica dahurica</i> in hypertension via inhibiting NADPH oxidase activation and MAPK pathway. <b>2014</b> , 8, 527-36		41
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452	Oxidative stress induced by Se-deficient high-energy diet implicates neutrophil dysfunction via Nrf2 pathway suppression in swine. <b>2017</b> , 8, 13428-13439		24
451	Aerobic Swim Training Restores Aortic Endothelial Function by Decreasing Superoxide Levels in Spontaneously Hypertensive Rats. <b>2017</b> , 72, 310-316		3
450	Renal protective effect of polysulfide in cisplatin-induced nephrotoxicity. <b>2018</b> , 15, 513-521		35
449	Oridonin inhibits vascular inflammation by blocking NF- $\kappa$ B and MAPK activation. <b>2018</b> , 826, 133-139		43
448	Nitric oxide and related factors linked to oxidation and inflammation as possible biomarkers of heart failure. <b>2018</b> , 30, 84-94		3
447	Effects of quercetin on heart nitric oxide metabolism in L-NAME treated rats. <b>2018</b> , 647, 47-53		14
446	Vascular complications of sickle cell disease. <b>2018</b> , 68, 205-221		8
445	Influence of Loranthus micranthus on hepatic and renal antioxidant status and impaired glycolytic flux in streptozotocin-induced diabetic rats. <b>2018</b> , 29, 447-461		7
444	Modulation of cardiac stem cell characteristics by metoprolol in hypertensive heart disease. <b>2018</b> , 41, 253-262		8

443	ROS and redox signaling in myocardial ischemia-reperfusion injury and cardioprotection. <b>2018</b> , 117, 76-89	323
442	Recent progress in doxorubicin-induced cardiotoxicity and protective potential of natural products. <b>2018</b> , 40, 125-139	57
441	Resveratrol attenuates hyperproliferation of vascular smooth muscle cells from spontaneously hypertensive rats: Role of ROS and ROS-mediated cell signaling. <b>2018</b> , 101, 48-56	18
440	Renal Protective Effect of Hydrogen Sulfide in Cisplatin-Induced Nephrotoxicity. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 455-470	8.4 22
439	Gut flora-dependent metabolite Trimethylamine-N-oxide accelerates endothelial cell senescence and vascular aging through oxidative stress. <b>2018</b> , 116, 88-100	102
438	Argirein alleviates vascular endothelial insulin resistance through suppressing the activation of Nox4-dependent O production in diabetic rats. <b>2018</b> , 121, 169-179	14
437	The interplay of reactive oxygen species and the epidermal growth factor receptor in tumor progression and drug resistance. <b>2018</b> , 37, 61	60
436	Vascular smooth muscle cell proliferation as a therapeutic target. Part 1: molecular targets and pathways. <b>2018</b> , 36, 1586-1607	48
435	Omega-3 fatty acid supplement reduces activation of NADPH oxidase in intracranial atherosclerosis stenosis. <b>2018</b> , 40, 499-507	10
434	Reactive oxygen species mediated oxidative stress links diabetes and atrial fibrillation. <b>2018</b> , 17, 4933-4940	17
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432	Paracrine and Intracrine Angiotensin 1-7/Mas Receptor Axis in the Substantia Nigra of Rodents, Monkeys, and Humans. <b>2018</b> , 55, 5847-5867	42
431	Lipoproteins and Cardiovascular Redox Signaling: Role in Atherosclerosis and Coronary Disease. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 337-352	8.4 7
430	Integrated molecular, biochemical, and physiological assessment unravels key extraction method mediated influences on rat neonatal cardiomyocytes. <b>2018</b> , 233, 5420-5430	7
429	Effect of the NADPH oxidase inhibitor apocynin on ischemia-reperfusion hippocampus injury in rat brain. <b>2018</b> , 97, 458-472	18
428	The progress of prophylactic treatment in retinopathy of prematurity. <b>2018</b> , 11, 858-873	3
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426	Superoxide Dismutase Activity in Small Mesenteric Arteries Is Downregulated by Angiotensin II but Not by Hypertension. <b>2018</b> , 34, 363-370	5

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424	Oxidative Stress and Cardiovascular-Renal Damage in Fabry Disease: Is There Room for a Pathophysiological Involvement?. <i>Journal of Clinical Medicine</i> , <b>2018</b> , 7,	5.1	12
423	Vascular Oxidative Stress: Impact and Therapeutic Approaches. <b>2018</b> , 9, 1668		91
422	Assessment of Vascular Reactivity. <b>2018</b> , 173-184		
421	Oxidative Stress and Heart Failure. <b>2018</b> , 230-251		3
420	Oxidants and Endothelial Dysfunction. <b>2018</b> , 252-281		1
419	The Main Determinants of Diabetes Mellitus Vascular Complications: Endothelial Dysfunction and Platelet Hyperaggregation. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	31
418	Dietary Oat Bran Increases Some Proinflammatory Polyunsaturated Fatty-Acid Oxidation Products and Reduces Anti-Inflammatory Products in Apolipoprotein E Mice. <b>2018</b> , 53, 785-796		5
417	NOX4 (NADPH Oxidase 4) and Poldip2 (Polymerase Interacting Protein 2) Induce Filamentous Actin Oxidation and Promote Its Interaction With Vinculin During Integrin-Mediated Cell Adhesion. <b>2018</b> , 38, 2423-2434		13
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410	Over-expression of a cardiac-specific human dopamine D5 receptor mutation in mice causes a dilated cardiomyopathy through ROS over-generation by NADPH oxidase activation and Nrf2 degradation. <b>2018</b> , 19, 134-146		14
409	To Be, or Nox to Be, Endoplasmic Reticulum Stress in Hypertension. <b>2018</b> , 72, 59-60		3
408	Nitric oxide and related factors linked to oxidation and inflammation as possible biomarkers of heart failure. <b>2018</b> , 30, 84-94		1

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389	In Vitro Vascular-Protective Effects of a Tilapia By-Product Oligopeptide on Angiotensin II-Induced Hypertensive Endothelial Injury in HUVEC by Nrf2/NF- $\kappa$ B Pathways. <b>2019</b> , 17,	10
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347	Progression of heart failure is attenuated by antioxidant therapy with N-acetylcysteine in myocardial infarcted female rats. <b>2020</b> , 47, 8645-8656	4
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341	Effects of Eicosapentaenoic Acid on Arterial Calcification. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3 2
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294	Role of cyclic AMP response element binding protein (CREB) in angiotensin II-induced responses in vascular smooth muscle cells. <b>2021</b> , 99, 30-35		0
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292	Endothelial signaling in coronary artery disease. <b>2021</b> , 59-67		
291	The Enigmatic Vascular NOX: From Artifact to Double Agent of Change: Arthur C. Corcoran Memorial Lecture - 2019. <b>2021</b> , 77, 275-283		2
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282	The Use of Coenzyme Q10 in Cardiovascular Diseases. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	9

281	Attenuating glucose metabolism by promotes Taxol sensitivity of colon cancer cells through downregulating oxidase 1 (). <b>2021</b> , 9, 886		2
280	Omentin-1: Protective impact on ischemic stroke via ameliorating atherosclerosis. <b>2021</b> , 517, 31-40		4
279	Systemic Administration of Tempol Attenuates the Cardiorespiratory Depressant Effects of Fentanyl. <b>2021</b> , 12, 690407		5
278	Potential Benefits of Flavonoids on the Progression of Atherosclerosis by Their Effect on Vascular Smooth Muscle Excitability. <b>2021</b> , 26,		2
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272	Hawthorn berry ( <i>crataegus songarica</i> ) causes endothelium-dependent relaxation of the porcine coronary artery: Role of Estrogen receptors. <b>2021</b> , 11, 249-265		
271	A U-Shaped Relationship Between Selenium Concentrations and All-Cause or Cardiovascular Mortality in Patients With Hypertension. <b>2021</b> , 8, 671618		0
270	The deleterious effects of acute hypoxia on microvascular and large vessel endothelial function. <b>2021</b> , 106, 1699-1709		0
269	Renal Dysfunction and Heart Failure with Preserved Ejection Fraction. <b>2021</b> , 17, 357-367		1
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