

# CITATION REPORT

List of articles citing

## The ubiquitous role of nitric oxide in cardioprotection

DOI: 10.1016/j.yjmcc.2005.09.011

Journal of Molecular and Cellular Cardiology, 2006, 40, 16-23.

**Source:** <https://exaly.com/paper-pdf/39928782/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
376	Effect of atorvastatin treatment on isoproterenol-induced myocardial infarction in rats. <b>2006</b> , 77, 25-32		9
375	MyD88 and NOS2 are essential for toll-like receptor 4-mediated survival effect in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H1900-9	5.2	58
374	Desflurane-induced preconditioning against myocardial infarction is mediated by nitric oxide. <i>Anesthesiology</i> , <b>2006</b> , 105, 719-25	4.3	32
373	Endothelium and cardiopulmonary resuscitation. <b>2006</b> , 34, S458-65		65
372	DY-9760e, a novel calmodulin inhibitor, exhibits cardioprotective effects in the ischemic heart. <b>2006</b> , 24, 88-100		8
371	Tissue/Cell Targets and Reactions. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, S144-S154	7.8	1
370	iNOS--another cardiac target of calcineurin. <i>Cardiovascular Research</i> , <b>2006</b> , 71, 612-4	9.9	3
369	A female way to protect the heart: say NO to calcium. <i>Circulation Research</i> , <b>2006</b> , 98, 298-300	15.7	8
368	Controlled reperfusion after hypothermic heart preservation inhibits mitochondrial permeability transition-pore opening and enhances functional recovery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H2265-71	5.2	14
367	Cardiomyocyte-specific overexpression of NO synthase-3 protects against myocardial ischemia-reperfusion injury. <b>2006</b> , 26, 1517-23		78
366	cGMP-dependent protein kinase type I inhibits TAB1-p38 mitogen-activated protein kinase apoptosis signaling in cardiac myocytes. <b>2006</b> , 281, 32831-40		69
365	Impact of T lymphocytes on cardiac remodeling in hypertension: more questions than answers. <b>2006</b> , 48, 31-2		2
364	Cardiovascular roles of nitric oxide: a review of insights from nitric oxide synthase gene disrupted mice. <i>Cardiovascular Research</i> , <b>2008</b> , 77, 19-29	9.9	181
363	Nitric oxide and peroxynitrite in health and disease. <b>2007</b> , 87, 315-424		4407
362	Cardioprotective effects of nitric oxide-aspirin in myocardial ischemia-reperfused rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H1545-52	5.2	24
361	Microdialysis-based analysis of interstitial NO in situ: NO synthase-independent NO formation during myocardial ischemia. <i>Cardiovascular Research</i> , <b>2007</b> , 74, 46-55	9.9	39
360	Role of the anion nitrite in ischemia-reperfusion cytoprotection and therapeutics. <i>Cardiovascular Research</i> , <b>2007</b> , 75, 327-38	9.9	160

359	Role of mitochondria in angiotensin II-induced reactive oxygen species and mitogen-activated protein kinase activation. <i>Cardiovascular Research</i> , <b>2007</b> , 76, 204-12	9.9	100
358	Nitrite augments tolerance to ischemia/reperfusion injury via the modulation of mitochondrial electron transfer. <b>2007</b> , 204, 2089-102		448
357	Critical role for FoxO3a-dependent regulation of p21CIP1/WAF1 in response to statin signaling in cardiac myocytes. <i>Circulation Research</i> , <b>2007</b> , 100, 50-60	15.7	58
356	Preconditioning results in S-nitrosylation of proteins involved in regulation of mitochondrial energetics and calcium transport. <i>Circulation Research</i> , <b>2007</b> , 101, 1155-63	15.7	310
355	Nitric oxide-induced cell death in the heart: the role of autophagy. <b>2007</b> , 3, 347-9		19
354	Binding of elastin peptides to S-Gal protects the heart against ischemia/reperfusion injury by triggering the RISK pathway. <b>2007</b> , 21, 1968-78		38
353	Nitrite is a vascular store of NO which mediates hypoxic signaling and protects against ischemia/reperfusion injury. <b>2007</b> , 1, 213-458		
352	Functional interplay between endothelial nitric oxide synthase and membrane type 1 matrix metalloproteinase in migrating endothelial cells. <b>2007</b> , 110, 2916-23		45
351	The nitric oxide donor LA 419 decreases ischemic brain damage. <b>2007</b> ,		2
350	The fibrin-derived peptide Bbeta15-42 is cardioprotective in a pig model of myocardial ischemia-reperfusion injury. <b>2007</b> , 35, 1730-5		83
349	Aged Garlic Extract Consumption Causes Significant Increases in Plasma Nitric Oxide Synthase Activity and Nitric Oxide Levels in Atherosclerotic Patients. <b>2007</b> , 4, 278-280		1
348	Exercise-induced cardioprotection: endogenous mechanisms. <b>2007</b> , 39, 1537-43		39
347	Altering CO2 during reperfusion of ischemic cardiomyocytes modifies mitochondrial oxidant injury. <b>2007</b> , 35, 1709-16		28
346	Role of endogenous nitric oxide in classic preconditioning in rat hearts. <b>2007</b> , 139, 141-5		16
345	eNOS phosphorylation: a pivotal molecular switch in vasodilation and cardioprotection?. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 42, 280-2	5.8	55
344	Cardioprotection and mitochondrial S-nitrosation: effects of S-nitroso-2-mercaptpropionyl glycine (SNO-MPG) in cardiac ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 42, 812-25	5.8	125
343	Programmed death as a therapeutic target to reduce myocardial infarction. <b>2007</b> , 28, 492-9		51
342	Sodium nitroprusside activates p38 mitogen activated protein kinase through a cGMP/PKG independent mechanism. <i>Life Sciences</i> , <b>2007</b> , 81, 640-6	6.8	13

341	The nitric oxide donor LA 419 decreases brain damage in a focal ischemia model. <b>2007</b> , 415, 149-53		20
340	Vascular endothelial growth factor-A is a survival factor for retinal neurons and a critical neuroprotectant during the adaptive response to ischemic injury. <b>2007</b> , 171, 53-67		565
339	The red wine antioxidant resveratrol prevents cardiomyocyte injury following ischemia-reperfusion via multiple sites and mechanisms. <b>2007</b> , 9, 101-13		66
338	Interaction of cardiovascular risk factors with myocardial ischemia/reperfusion injury, preconditioning, and postconditioning. <b>2007</b> , 59, 418-58		567
337	Ischemia-reperfusion and cardioprotection: a delicate balance between reactive oxygen species generation and redox homeostasis. <b>2007</b> , 39, 275-89		38
336	Preconditioning: a paradigm shift in the biology of myocardial ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H19-27	5.2	152
335	Enhanced protection of modified human acidic fibroblast growth factor with polyethylene glycol against ischemia/reperfusion-induced retinal damage in rats. <b>2007</b> , 170, 146-56		14
334	Ischemic Preconditioning And Myocardial Infarction: An Update and Perspective. <b>2007</b> , 4, 165-174		26
333	The role of mitochondria in protection of the heart by preconditioning. <b>2007</b> , 1767, 1007-31		302
332	Nitric oxide preconditioning regulates endothelial monolayer integrity via the heat shock protein 90-soluble guanylate cyclase pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H893-903	5.2	18
331	Biomedical implications of information processing in chemical systems: non-classical approach to photochemistry of coordination compounds. <b>2007</b> , 90, 738-49		8
330	Nitric oxide synthase isoform inhibition before whole body ischemia reperfusion in pigs: vital or protective?. <b>2007</b> , 74, 516-25		28
329	Signalling mechanisms in contraction-mediated stimulation of intracellular NO production in cat ventricular myocytes. <b>2007</b> , 580, 327-45		23
328	Nitric oxide fails to confer endogenous antiarrhythmic cardioprotection in the primate heart in vitro. <i>British Journal of Pharmacology</i> , <b>2007</b> , 150, 893-8	8.6	7
327	Cyclic GMP and protein kinase-G in myocardial ischaemia-reperfusion: opportunities and obstacles for survival signaling. <i>British Journal of Pharmacology</i> , <b>2007</b> , 152, 855-69	8.6	129
326	Nitric oxide in blood. The nitrosative-oxidative disequilibrium hypothesis on the pathogenesis of cardiovascular disease. <b>2007</b> , 274, 906-23		40
325	Nitric oxide during ischemia attenuates oxidant stress and cell death during ischemia and reperfusion in cardiomyocytes. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 43, 590-9	7.8	36
324	Efficacy of ischaemic preconditioning in the eNOS overexpressed working mouse heart model. <i>European Journal of Pharmacology</i> , <b>2007</b> , 556, 115-20	5.3	15

323	Potential role of female sex hormones in the pathophysiology of migraine. <b>2007</b> , 113, 321-40		57
322	The pharmacology of nitroxyl (HNO) and its therapeutic potential: not just the Janus face of NO. <b>2007</b> , 113, 442-58		196
321	Adenosinergic cardioprotection: multiple receptors, multiple pathways. <b>2007</b> , 114, 208-21		136
320	Large dose propofol during ischemia and early reperfusion increases nitric oxide bioavailability to confer cardioprotection in acpb patients. <b>2007</b> , 54, 44598-44598		
319	The late phase of preconditioning and its natural clinical application--gene therapy. <i>Heart Failure Reviews</i> , <b>2007</b> , 12, 189-99	5	57
318	Cardioprotection in females: a role for nitric oxide and altered gene expression. <i>Heart Failure Reviews</i> , <b>2007</b> , 12, 293-300	5	56
317	Relevance of nitric oxide for myocardial remodeling. <b>2007</b> , 4, 18-25		36
316	The mechanism of the late preconditioning effect of 3-nitropropionic acid. <b>2008</b> , 31, 1257-63		7
315	A novel method of measuring nitric-oxide-dependent fluorescence using 4,5-diaminofluorescein (DAF-2) in the isolated Langendorff-perfused rabbit heart. <b>2008</b> , 456, 635-45		19
314	H(2)S and HS(-) donor NaHS releases nitric oxide from nitrosothiols, metal nitrosyl complex, brain homogenate and murine L1210 leukaemia cells. <b>2008</b> , 457, 271-9		68
313	Mitochondria as a target for the cardioprotective effects of nitric oxide in ischemia-reperfusion injury. <b>2008</b> , 10, 579-99		145
312	Cysteine S-nitrosylation protects protein-tyrosine phosphatase 1B against oxidation-induced permanent inactivation. <b>2008</b> , 283, 35265-72		123
311	Discovering regulators of the Drosophila cardiac hypoxia response using automated phenotyping technology. <b>2008</b> , 1123, 169-77		10
310	Role of hypoxia-inducible factor in cell survival during myocardial ischemia-reperfusion. <b>2008</b> , 15, 686-90		188
309	Enzymes. <i>British Journal of Pharmacology</i> , <b>2008</b> , 153, S174-S196	8.6	78
308	Sickle cell disease vasculopathy: a state of nitric oxide resistance. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 1506-28	7.8	182
307	Integrating metabolomics and phenomics with systems models of cardiac hypoxia. <b>2008</b> , 96, 209-25		14
306	Effects of acute caffeine administration on NOS and Bax/Bcl2 expression in the myocardium of rat. <b>2008</b> , 57, 19-25		13

305	Oxidative Stress in Aging. <b>2008</b> ,		11
304	Palmitate-induced NO production has a dual action to reduce cell death through NO and accentuate cell death through peroxynitrite formation. <b>2008</b> , 78, 147-55		5
303	Endothelial nitric oxide synthase is not necessary for the early phase of ischemic preconditioning in the mouse. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 44, 496-501	5.8	22
302	Targeting the mitochondria to augment myocardial protection. <b>2008</b> , 8, 160-5		32
301	Mitochondrial pathophysiology, reactive oxygen species, and cardiovascular diseases. <b>2008</b> , 38, 137-55, vi		76
300	Mechanisms underlying acute protection from cardiac ischemia-reperfusion injury. <b>2008</b> , 88, 581-609		1055
299	Additional lack of iNOS attenuates diastolic dysfunction in aged ET-1 transgenic mice. <b>2008</b> , 86, 353-7		5
298	Exogenous nitric oxide requires an endothelial glycocalyx to prevent postischemic coronary vascular leak in guinea pig hearts. <b>2008</b> , 12, R73		51
297	Nitrite reductase activity of myoglobin regulates respiration and cellular viability in myocardial ischemia-reperfusion injury. <b>2008</b> , 105, 10256-61		329
296	Caveolin and proteasome in tocotrienol mediated myocardial protection. <b>2008</b> , 22, 287-94		29
295	Progressive diastolic dysfunction in the female mRen(2). Lewis rat: influence of salt and ovarian hormones. <b>2008</b> , 63, 3-11		37
294	White wine induced cardioprotection against ischemia-reperfusion injury is mediated by life extending Akt/FOXO3a/NFkappaB survival pathway. <b>2008</b> , 56, 6733-9		38
293	Intramitochondrial signaling: interactions among mitoKATP, PKCepsilon, ROS, and MPT. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H874-82	5.2	171
292	New insights into metabolic signaling and cell survival: the role of beta-O-linkage of N-acetylglucosamine. <b>2008</b> , 327, 602-9		29
291	Differential loss of cytochrome-c oxidase subunits in ischemia-reperfusion injury: exacerbation of COI subunit loss by PKC-epsilon inhibition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H2637-45	5.2	27
290	Akt activates NOS3 and separately restores barrier integrity in H2O2-stressed human cardiac microvascular endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H2417-26	5.2	24
289	Nitrite consumption in ischemic rat heart catalyzed by distinct blood-borne and tissue factors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H2143-8	5.2	12
288	Prevention of HIF-1 activation and iNOS gene targeting by low-dose cadmium results in loss of myocardial hypoxic preconditioning in the rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H901-8	5.2	40

287	High-dose folic acid pretreatment blunts cardiac dysfunction during ischemia coupled to maintenance of high-energy phosphates and reduces postreperfusion injury. <b>2008</b> , 117, 1810-9		88
286	Reactive oxygen species production in energized cardiac mitochondria during hypoxia/reoxygenation: modulation by nitric oxide. <i>Circulation Research</i> , <b>2008</b> , 103, 873-80	15.7	105
285	What can mitochondrial proteomics tell us about cardioprotection afforded by preconditioning?. <b>2008</b> , 5, 633-6		13
284	Differences in ischemia-reperfusion-induced endothelial changes in hearts perfused at constant flow and constant pressure. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 1779-87	3.7	7
283	Ischemic preconditioning: from molecular mechanisms to therapeutic opportunities. <b>2008</b> , 10, 207-47		81
282	Strength versus muscle power-specific resistance training in community-dwelling older adults. <b>2008</b> , 63, 83-91		162
281	Relation between body height and replicative capacity of human fibroblasts in nonagenarians. <b>2008</b> , 63, 43-5		10
280	S-nitrosation and thiol switching in the mitochondrion: a new paradigm for cardioprotection in ischaemic preconditioning. <b>2008</b> , 412, e11-3		19
279	The mechanism of helium-induced preconditioning: a direct role for nitric oxide in rabbits. <b>2008</b> , 107, 762-8		29
278	Time course of regression of the protection conferred by simulated high altitude to rat myocardium: correlation with mtNOS. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 951-7	3.7	12
277	Nitric oxide mechanism of protection in ischemia and reperfusion injury. <b>2009</b> , 22, 46-55		136
276	Sulindac confers high level ischemic protection to the heart through late preconditioning mechanisms. <b>2009</b> , 106, 19611-6		21
275	Assays for S-nitrosothiols and S-nitrosylated proteins and mechanistic insights into cardioprotection. <b>2009</b> , 120, 190-3		11
274	Autophagy in ischemic heart disease. <i>Circulation Research</i> , <b>2009</b> , 104, 150-8	15.7	303
273	Nitrite therapy after cardiac arrest reduces reactive oxygen species generation, improves cardiac and neurological function, and enhances survival via reversible inhibition of mitochondrial complex I. <b>2009</b> , 120, 897-905		138
272	Estrogen receptor-beta activation results in S-nitrosylation of proteins involved in cardioprotection. <b>2009</b> , 120, 245-54		114
271	Mitochondrial nitroalkene formation and mild uncoupling in ischaemic preconditioning: implications for cardioprotection. <i>Cardiovascular Research</i> , <b>2009</b> , 82, 333-40	9.9	103
270	Neglect of the coronary circulation: some critical remarks on problems in the translation of cardioprotection. <i>Cardiovascular Research</i> , <b>2009</b> , 84, 11-4	9.9	9

269	Glutathione peroxidase deficiency exacerbates ischemia-reperfusion injury in male but not female myocardium: insights into antioxidant compensatory mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H2144-53	5.2	33
268	Interaction between pre- and postconditioning in the in vivo rat heart. <b>2009</b> , 234, 1345-54		18
267	Phosphodiesterase-5 inhibitor, tadalafil, protects against myocardial ischemia/reperfusion through protein-kinase g-dependent generation of hydrogen sulfide. <b>2009</b> , 120, S31-6		123
266	Gene transfer of inducible nitric oxide synthase affords cardioprotection by upregulating heme oxygenase-1 via a nuclear factor- $\kappa$ B-dependent pathway. <b>2009</b> , 120, 1222-30		47
265	Deletion of inducible nitric oxide synthase provides cardioprotection in mice with 2-kidney, 1-clip hypertension. <b>2009</b> , 53, 49-56		23
264	AMP-dependent protein kinase activators: not just for diabetes?. <i>Circulation Research</i> , <b>2009</b> , 104, 282-4	15.7	1
263	Cyclic GMP signaling in cardiovascular pathophysiology and therapeutics. <b>2009</b> , 122, 216-38		273
262	Cardioprotection: a radical view Free radicals in pre and postconditioning. <b>2009</b> , 1787, 781-93		156
261	Dietary nitrate and nitrite modulate blood and organ nitrite and the cellular ischemic stress response. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 510-7	7.8	76
260	Grape seed proanthocyanidins protect cardiomyocytes from ischemia and reperfusion injury via Akt-NOS signaling. <b>2009</b> , 107, 697-705		48
259	Vascular endothelium in atherosclerosis. <b>2009</b> , 335, 191-203		173
258	Nitrite mediates cytoprotection after ischemia/reperfusion by modulating mitochondrial function. <b>2009</b> , 104, 113-9		71
257	The eNOS enhancer AVE 9488: a novel cardioprotectant against ischemia reperfusion injury. <b>2009</b> , 104, 773-9		36
256	Hypoxia-induced regulation of nitric oxide synthase in cardiac endothelial cells and myocytes and the role of the PI3-K/PKB pathway. <i>Molecular and Cellular Biochemistry</i> , <b>2009</b> , 321, 23-35	4.2	25
255	Redox signaling and protein phosphorylation in mitochondria: progress and prospects. <b>2009</b> , 41, 159-68		48
254	Emerging role of nitrite in myocardial protection. <b>2009</b> , 32, 1127-38		23
253	Nitric oxide protects the heart from ischemia-induced apoptosis and mitochondrial damage via protein kinase G mediated blockage of permeability transition and cytochrome c release. <b>2009</b> , 16, 70		33
252	ENZYMES. <i>British Journal of Pharmacology</i> , <b>2009</b> , 158, S203-S239	8.6	1



251	Near infrared light protects cardiomyocytes from hypoxia and reoxygenation injury by a nitric oxide dependent mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 46, 4-14	5.8	74
250	Cardioprotective signaling to mitochondria. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 46, 858-66	6.8	159
249	In vivo cardioprotection by S-nitroso-2-mercaptopropionyl glycine. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 46, 960-8	5.8	63
248	Cardioprotection by metabolic shut-down and gradual wake-up. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 46, 804-10	5.8	123
247	Animal Models of Cardiovascular Disease. <b>2009</b> , 62, 69-84		1
246	Modelos animales de enfermedad cardiovascular. <b>2009</b> , 62, 69-84		20
245	Signaling by gasotransmitters. <b>2009</b> , 2, re2		321
244	Cytoprotection by natural and synthetic polyphenols in the heart: novel mechanisms and perspectives. <b>2010</b> , 16, 4103-12		16
243	Hyperglycemia inhibits anesthetic-induced postconditioning in the rabbit heart via modulation of phosphatidylinositol-3-kinase/Akt and endothelial nitric oxide synthase signaling. <b>2010</b> , 55, 348-57		44
242	Gene therapy via inducible nitric oxide synthase: a tool for the treatment of a diverse range of pathological conditions. <b>2008</b> , 60, 999-1017		29
241	Attenuation of myocardial injury by postconditioning: role of hypoxia inducible factor-1alpha. <b>2010</b> , 105, 109-18		65
240	Nitric oxide/cGMP signalling mediates the cardioprotective action of adrenomedullin in reperfused myocardium. <b>2010</b> , 105, 257-66		27
239	Role of cGMP-PKG signaling in the protection of neonatal rat cardiac myocytes subjected to simulated ischemia/reoxygenation. <b>2010</b> , 105, 643-50		66
238	Autophagy induced by ischemic preconditioning is essential for cardioprotection. <b>2010</b> , 3, 365-73		143
237	Ferilnic nirate produces delayed preconditioning against myocardial ischemia and reperfusion injury in rats. <b>2010</b> , 33, 881-7		3
236	Activation of phosphatidylinositol 3-kinase/Akt signaling pathway and endogenous nitric oxide are needed for the antiarrhythmic effect of centrally administered rilmenidine. <i>European Journal of Pharmacology</i> , <b>2010</b> , 647, 155-60	5.3	4
235	Kinetic model of the inhibition of respiration by endogenous nitric oxide in intact cells. <b>2010</b> , 1797, 557-65		35
234	Iron induces protection and necrosis in cultured cardiomyocytes: Role of reactive oxygen species and nitric oxide. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 526-34	7.8	35

233	The effects of nitric oxide-oxidase and putative glutathione-peroxidase activities of ceruloplasmin on the viability of cardiomyocytes exposed to hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 2019-27	7.8	13
232	The genetic inactivation of inducible nitric oxide synthase (iNOS) intensifies fibrosis and oxidative stress in the penile corpora cavernosa in type 1 diabetes. <b>2010</b> , 7, 3033-44		35
231	The role of nitric oxide, superoxide and peroxynitrite in the anti-arrhythmic effects of preconditioning and peroxynitrite infusion in anaesthetized dogs. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 1263-72	8.6	14
230	Darbepoetin-mediated cardioprotection after myocardial infarction involves multiple mechanisms independent of erythropoietin receptor-common beta-chain heteroreceptor. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 2085-96	8.6	22
229	Distribution of NADPH-diaphorase and AChE activity in the anterior leaflet of rat mitral valve. <b>2010</b> , 54, e5		5
228	Mechanism of Ischemia and Reperfusion Injury to the Heart: From the Viewpoint of Nitric Oxide and Mitochondria. <b>2010</b> , 46, 129		7
227	Nitrite Therapy for Ischemic Syndromes. <b>2010</b> , 587-603		
226	Protein S-nitrosylation and cardioprotection. <i>Circulation Research</i> , <b>2010</b> , 106, 285-96	15.7	159
225	Chronic nitrate therapy is associated with different presentation and evolution of acute coronary syndromes: insights from 52,693 patients in the Global Registry of Acute Coronary Events. <b>2010</b> , 31, 430-8		58
224	Unmasking the Janus face of myoglobin in health and disease. <b>2010</b> , 213, 2734-40		55
223	Mitochondrial reprogramming through cardiac oxygen sensors in ischaemic heart disease. <i>Cardiovascular Research</i> , <b>2010</b> , 88, 219-28	9.9	68
222	Therapeutic hypothermia cardioprotection via Akt- and nitric oxide-mediated attenuation of mitochondrial oxidants. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 298, H2164-73	5.2	82
221	Cardiac electrophysiological effects of nitric oxide. <i>Cardiovascular Research</i> , <b>2010</b> , 87, 593-600	9.9	75
220	Role of iNOS and peroxynitrite-matrix metalloproteinase-2 signaling in myocardial late preconditioning in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H512-8	5.3	31
219	Treatment of Peyronie's disease with PDE5 inhibitors: an antifibrotic strategy. <b>2010</b> , 7, 215-21		67
218	Daily reoxygenation decreases myocardial injury and improves post-ischaemic recovery after chronic hypoxia. <b>2010</b> , 37, 942-9		14
217	Periodic acceleration (pGz) prior to whole body ischemia reperfusion injury provides early cardioprotective preconditioning. <i>Life Sciences</i> , <b>2010</b> , 86, 707-15	6.8	14
216	A highlight of myoglobin diversity: the nitrite reductase activity during myocardial ischemia-reperfusion. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2010</b> , 22, 75-82	5	31

215	Clinical translation of nitrite therapy for cardiovascular diseases. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2010</b> , 22, 91-7	5	59
214	Netrin-1 prevents ischemia/reperfusion-induced myocardial infarction via a DCC/ERK1/2/eNOS s1177/NO/DCC feed-forward mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 48, 1060-70 <sup>5.8</sup>		65
213	Involvement of YC-1 in extracellular signal-regulated kinase action in rat cremasteric muscle. <b>2010</b> , 62, 1746-52		2
212	Arginase inhibition mediates cardioprotection during ischaemia-reperfusion. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 147-54	9.9	97
211	Dual modulation of nitric oxide production in the heart during ischaemia/reperfusion injury and inflammation. <b>2010</b> , 104, 200-6		22
210	O-GlcNAc signaling in the cardiovascular system. <i>Circulation Research</i> , <b>2010</b> , 107, 171-85	15.7	125
209	Delayed cardioprotection by inhaled anesthetics. <b>2011</b> , 25, 1125-40		16
208	Beta3-adrenoceptor activation just says NO to myocardial reperfusion injury. <b>2011</b> , 58, 2692-4		8
207	Cardioprotective pathways during reperfusion: focus on redox signaling and other modalities of cell signaling. <b>2011</b> , 14, 833-50		100
206	The role of comorbidities in cardioprotection. <b>2011</b> , 16, 267-72		25
205	Does inducible NOS have a protective role against hypoxia/reoxygenation injury in rat heart?. <i>Cardiovascular Pathology</i> , <b>2011</b> , 20, e17-25	3.8	8
204	Ginseng protects rodent hearts from acute myocardial ischemia-reperfusion injury through GR/ER-activated RISK pathway in an endothelial NOS-dependent mechanism. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 135, 287-98	5	43
203	The 21st century form of vitamin E--tocotrienol. <b>2011</b> , 17, 2196-205		22
202	Cardiovascular protection afforded by caloric restriction: essential role of nitric oxide synthase. <b>2011</b> , 11, 143-56		23
201	Influence of angiotensin-converting enzyme insertion/deletion polymorphism on nitric oxide production in hypertensives and hypercholesterolaemics. <b>2011</b> , 36, 187-93		2
200	Mediterranean diet and cardioprotection: the role of nitrite, polyunsaturated fatty acids, and polyphenols. <b>2011</b> , 27, 733-44		84
199	The G protein-coupled estrogen receptor GPER/GPR30 as a regulator of cardiovascular function. <i>Vascular Pharmacology</i> , <b>2011</b> , 55, 17-25	5.9	116
198	Redox signaling in cardiac myocytes. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 50, 777-93	7.8	233

197	The extracellular matrix metalloproteinase inducer EMMPRIN is a target of nitric oxide in myocardial ischemia/reperfusion. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 387-95	7.8	19
196	Inorganic nitrite therapy: historical perspective and future directions. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 576-93	7.8	81
195	Structure and properties of iron nitrosyl complexes with functionalized sulfur-containing ligands. <b>2011</b> , 60, 1223-1251		37
194	Microcirculatory and therapeutic effects of whole body periodic acceleration (pGz) applied after cardiac arrest in pigs. <b>2011</b> , 82, 767-75		9
193	Emergent role of gasotransmitters in ischemia-reperfusion injury. <b>2011</b> , 1, 3		42
192	Hypoxia and anoxia tolerance of vertebrate hearts: an evolutionary perspective. <b>2011</b> , 14, 851-62		17
191	Toll-like receptor 7/8 agonist resiquimod induces late preconditioning in neonatal cardiac myocytes. <b>2011</b> , 32, 565-72		8
190	Comparative effects of verapamil, nicardipine, and nitroglycerin on myocardial ischemia/reperfusion injury. <b>2011</b> , 2011, 521084		11
189	Simultaneous measurement of protein oxidation and S-nitrosylation during preconditioning and ischemia/reperfusion injury with resin-assisted capture. <i>Circulation Research</i> , <b>2011</b> , 108, 418-26	15.7	129
188	Site-mapping of in vitro S-nitrosation in cardiac mitochondria: implications for cardioprotection. <b>2011</b> , 10, M110.004721		49
187	Cardiac-specific overexpression of GTP cyclohydrolase 1 restores ischaemic preconditioning during hyperglycaemia. <i>Cardiovascular Research</i> , <b>2011</b> , 91, 340-9	9.9	21
186	Identification and characterization of a functional mitochondrial angiotensin system. <b>2011</b> , 108, 14849-54		198
185	Obligatory role of heat shock protein 90 in iNOS induction. <b>2011</b> , 301, C227-33		30
184	SIRT1-mediated acute cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H1506-12	5.2	81
183	Selective $\beta$ -adrenoreceptor stimulation attenuates myocardial cell death and preserves cardiac function after ischemia-reperfusion injury. <b>2012</b> , 32, 1865-74		25
182	Reactive oxygen species are not a required trigger for exercise-induced late preconditioning in the rat heart. <b>2012</b> , 303, R968-74		11
181	Mutations associated with functional disorder of xanthine oxidoreductase and hereditary xanthinuria in humans. <b>2012</b> , 13, 15475-95		55
180	Fibroblast growth factor-2-induced cardioprotection against myocardial infarction occurs via the interplay between nitric oxide, protein kinase signaling, and ATP-sensitive potassium channels. <b>2012</b> , 30, 124-39		9

179	Endothelial nitric oxide synthase (G894T) gene polymorphism in a random sample of the Egyptian population: comparison with myocardial infarction patients. <b>2012</b> , 16, 695-700		18
178	Mitochondria as a drug target in ischemic heart disease and cardiomyopathy. <i>Circulation Research</i> , <b>2012</b> , 111, 1222-36	15.7	194
177	Contractile Activity Regulates Inducible Nitric Oxide Synthase Expression and NO(i) Production in Cardiomyocytes via a FAK-Dependent Signaling Pathway. <b>2012</b> , 2012, 473410		5
176	Effect of Sildenafil on Heart Nitric Oxide Metabolism and Mitochondrial Function. <b>2012</b> , 169-188		
175	Stimulatory effects of the flavanol (-)-epicatechin on cardiac angiogenesis: additive effects with exercise. <b>2012</b> , 60, 429-38		23
174	Nitrite reduces acute lung injury and improves survival in a rat lung transplantation model. <b>2012</b> , 12, 2938-48		33
173	Subcellular characteristics of functional intracellular renin-angiotensin systems. <b>2012</b> , 38, 437-45		57
172	Assessment of the functional diversity of human myoglobin. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2012</b> , 26, 211-6	5	27
171	S-nitrosylation: a radical way to protect the heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2012</b> , 52, 568-77	5.8	79
170	Delayed myocardial preconditioning induced by cobalt chloride in the rat: HIF-1 $\alpha$ and iNOS involvement. <b>2012</b> , 26, 454-62		15
169	Erythropoietin alleviates post-ischemic injury of rat hearts by attenuating nitrosative stress. <i>Life Sciences</i> , <b>2012</b> , 90, 776-84	6.8	19
168	Preconditioning with periodic acceleration (pGz) provides second window of cardioprotection. <i>Life Sciences</i> , <b>2012</b> , 91, 178-85	6.8	12
167	Inducible nitric oxide synthase aggresome formation is mediated by nitric oxide. <b>2012</b> , 426, 386-9		6
166	The L-Arginine-asymmetric dimethylarginine ratio is an independent predictor of mortality in dilated cardiomyopathy. <b>2012</b> , 18, 904-11		36
165	Nitrite and nitrite reductases: from molecular mechanisms to significance in human health and disease. <b>2012</b> , 17, 684-716		45
164	Cardioprotection. <b>2012</b> , 369-388		1
163	Disruption of caveolae blocks ischemic preconditioning-mediated S-nitrosylation of mitochondrial proteins. <b>2012</b> , 16, 45-56		56
162	Mitochondria and cardiovascular aging. <i>Circulation Research</i> , <b>2012</b> , 110, 1109-24	15.7	275

161	Nitric oxide synthase in post-ischaemic remodelling: new pathways and mechanisms. <i>Cardiovascular Research</i> , <b>2012</b> , 94, 304-15	9.9	15
160	Protective effect of ligustrazine against myocardial ischaemia reperfusion in rats: the role of endothelial nitric oxide synthase. <b>2012</b> , 39, 20-7		47
159	Cardiac H11 kinase/Hsp22 stimulates oxidative phosphorylation and modulates mitochondrial reactive oxygen species production: Involvement of a nitric oxide-dependent mechanism. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 2168-76	7.8	18
158	Protective effects of ligustrazine on TNF- $\alpha$ -induced endothelial dysfunction. <i>European Journal of Pharmacology</i> , <b>2012</b> , 674, 365-9	5.3	31
157	The cellular and molecular origin of reactive oxygen species generation during myocardial ischemia and reperfusion. <b>2012</b> , 133, 230-55		249
156	The effect of hyperbaric oxygen on nitric oxide synthase activity and expression in ischemia-reperfusion injury. <i>Journal of Surgical Research</i> , <b>2013</b> , 183, 355-61	2.5	18
155	Intrapulmonary shear stress enhancement: a new therapeutic approach in acute myocardial ischemia. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 4199-208	3.2	5
154	Nitric oxide delivery during cardiopulmonary bypass reduces postoperative morbidity in children--a randomized trial. <b>2013</b> , 146, 530-6		64
153	Heart Proteomics. <b>2013</b> ,		2
152	Essential role of nitric oxide in acute ischemic preconditioning: S-nitros(yl)ation versus sGC/cGMP/PKG signaling?. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 54, 105-12	7.8	53
151	Use of nitric oxide producer L-arginine during infusion therapy of experimental hemorrhagic shock. <b>2013</b> , 154, 312-5		1
150	Participation of mitochondrial permeability transition pore in the effects of ischemic preconditioning in hypertrophied hearts: role of NO and mitoKATP. <i>International Journal of Cardiology</i> , <b>2013</b> , 166, 173-80	3.2	13
149	Effects of L-NAME on coronary blood flow, infarct size and the extent of the no-reflow phenomenon. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 3000-5	3.2	3
148	Cardiac K(ATP) channel alterations associated with acclimation to hypoxia in goldfish ( <i>Carassius auratus</i> L.). <b>2013</b> , 164, 554-64		15
147	Roles of endothelial nitric oxide synthase (eNOS) and mitochondrial permeability transition pore (MPTP) in epoxyeicosatrienoic acid (EET)-induced cardioprotection against infarction in intact rat hearts. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 59, 20-9	5.8	34
146	Amniotic mesenchymal stem cells with robust chemotactic properties are effective in the treatment of a myocardial infarction model. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 1062-9	3.2	44
145	The role of redox signaling in epigenetics and cardiovascular disease. <b>2013</b> , 18, 1920-36		85
144	Quantification of mitochondrial S-nitrosylation by CysTMT $\beta$ witch assay. <b>2013</b> , 1005, 169-79		16

143	Role of Beclin 1-dependent autophagy in cardioprotection of ischemic preconditioning. <b>2013</b> , 33, 51-56		16
142	Neuroprotection by inhaled nitric oxide in a murine stroke model is concentration and duration dependent. <b>2013</b> , 1507, 134-45		27
141	Nitric oxide quenches the fire in heart mitochondria. <b>2013</b> , 19, 666-7		6
140	Anthocyanins block ischemia-induced apoptosis in the perfused heart and support mitochondrial respiration potentially by reducing cytosolic cytochrome c. <b>2013</b> , 45, 23-9		45
139	The safety and efficacy of intracoronary nitrite infusion during acute myocardial infarction (NITRITE-AMI): study protocol of a randomised controlled trial. <i>BMJ Open</i> , <b>2013</b> , 3,	3	27
138	Comparative approaches to the study of physiology: Drosophila as a physiological tool. <b>2013</b> , 304, R177-88		5
137	Balance of nitric oxide and reactive oxygen species in myocardial reperfusion injury and protection. <b>2013</b> , 62, 567-75		20
136	Arginase regulates red blood cell nitric oxide synthase and export of cardioprotective nitric oxide bioactivity. <b>2013</b> , 110, 15049-54		95
135	Acute Effect of Whole-Body Periodic Acceleration on Brachial Flow-Mediated Vasodilatation Assessed by a Novel Semi-Automatic Vessel Chasing UNEXEF18G System. <b>2013</b> , 21, 130-6		11
134	HIF-1 $\beta$ signaling activation by post-ischemia treatment with astragaloside IV attenuates myocardial ischemia-reperfusion injury. <i>PLoS ONE</i> , <b>2014</b> , 9, e107832	3-7	35
133	Rosuvastatin and ellagic acid protect against isoproterenol-induced myocardial infarction in hyperlipidemic rats. <b>2014</b> , 3, 239-246		5
132	Endothelial dysfunction as a nexus for endothelial cell-cardiomyocyte miscommunication. <b>2014</b> , 5, 328		21
131	Dexamethasone and recombinant human activated protein C improve myocardial function and efficiency during experimental septic shock. <b>2014</b> , 41, 522-7		8
130	Circadian influences on myocardial infarction. <b>2014</b> , 5, 422		22
129	Intracellular signalling mechanism responsible for modulation of sarcolemmal ATP-sensitive potassium channels by nitric oxide in ventricular cardiomyocytes. <b>2014</b> , 592, 971-90		40
128	Contribution of small heat shock proteins to muscle development and function. <b>2014</b> , 588, 517-30		33
127	Protein S-nitrosylation in preconditioning and postconditioning. <b>2014</b> , 239, 647-62		26
126	Moxonidine modulates cytokine signalling and effects on cardiac cell viability. <i>European Journal of Pharmacology</i> , <b>2014</b> , 740, 168-82	5-3	9

125	Differential hypoxic tolerance is mediated by activation of heat shock response and nitric oxide pathway. <b>2014</b> , 19, 801-12		21
124	Proanthocyanidins, anthocyanins and cardiovascular diseases. <b>2014</b> , 59, 41-52		163
123	A comparative study of NONOate based NO donors: spermine NONOate is the best suited NO donor for angiogenesis. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2014</b> , 36, 76-86	5	19
122	Protective effects of Guanxin Shutong capsule drug-containing serum on tumor necrosis factor- $\alpha$ -induced endothelial dysfunction through nicotinamide adenine dinucleotide phosphate oxidase and the nitric oxide pathway. <b>2014</b> , 8, 998-1004		4
121	Cardioprotective effects of luteolin on ischemia/reperfusion injury in diabetic rats are modulated by eNOS and the mitochondrial permeability transition pathway. <b>2015</b> , 65, 349-56		40
120	Activation of Adenosine Triphosphate-regulated Potassium Channels during Reperfusion Restores Isoflurane Postconditioning-induced Cardiac Protection in Acutely Hyperglycemic Rabbits. <i>Anesthesiology</i> , <b>2015</b> , 122, 1299-311	4.3	7
119	Nitric Oxide Protects L-Type Calcium Channel of Cardiomyocyte during Long-Term Isoproterenol Stimulation in Tail-Suspended Rats. <b>2015</b> , 2015, 780814		8
118	NO Better Way to Protect the Heart during Ischemia-Reperfusion: To be in the Right Place at the Right Time. <b>2015</b> , 3, 6		6
117	Flavonoids and mitochondrial pharmacology: A new paradigm for cardioprotection. <i>Life Sciences</i> , <b>2015</b> , 135, 68-76	6.8	50
116	Role of the bradykinin B2 receptor in a rat model of local heart irradiation. <b>2015</b> , 91, 634-42		1
115	Mangafodipir as a cardioprotective adjunct to reperfusion therapy: a feasibility study in patients with ST-segment elevation myocardial infarction. <b>2015</b> , 1, 39-45		11
114	Rho-GTPase and Atherosclerosis: Pleiotropic Effects of Statins. <b>2015</b> , 4,		40
113	Mechanisms of isoproterenol-induced cardiac mitochondrial damage: protective actions of melatonin. <i>Journal of Pineal Research</i> , <b>2015</b> , 58, 275-90	10.4	40
112	Up-regulation of iNOS by hypoxic postconditioning inhibits H9c2 cardiomyocyte apoptosis induced by hypoxia/re-oxygenation. <b>2015</b> , 47, 516-21		3
111	Nitrite Confers Preconditioning and Cytoprotection After Ischemia/Reperfusion Injury Through the Modulation of Mitochondrial Function. <b>2015</b> , 23, 307-27		17
110	Regression of oxidative stress by targeting eNOS and Nrf2/ARE signaling: a guided drug target for cardiovascular diseases. <b>2015</b> , 15, 857-71		22
109	Indispensable role of endothelial nitric oxide synthase in caloric restriction-induced cardioprotection against ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 308, H894-903	5.2	26
108	Strategies to increase nitric oxide signalling in cardiovascular disease. <b>2015</b> , 14, 623-41		312



107	High urinary homoarginine excretion is associated with low rates of all-cause mortality and graft failure in renal transplant recipients. <b>2015</b> , 47, 1827-36		30
106	Monitoring Changes in the Redox State of Myoglobin in Cardiomyocytes by Raman Spectroscopy Enables the Protective Effect of NO Donors to Be Evaluated. <b>2015</b> , 87, 10605-12		5
105	Protective effect of hydrogen sulfide on pancreatic beta-cells. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2015</b> , 46, 32-6	5	19
104	The role of gasotransmitters NO, H <sub>2</sub> S and CO in myocardial ischaemia/reperfusion injury and cardioprotection by preconditioning, postconditioning and remote conditioning. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 1587-606	8.6	142
103	Mitochondrial potassium channels as pharmacological target for cardioprotective drugs. <b>2015</b> , 35, 520-53		46
102	Netrin-1 improves post-injury cardiac function in vivo via DCC/NO-dependent preservation of mitochondrial integrity, while attenuating autophagy. <b>2015</b> , 1852, 277-89		20
101	Redox signalling and cardioprotection: translatability and mechanism. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 1974-95	8.6	56
100	Nitric Oxide/Arginine: Is Cardiovascular Modulation Effects in Athletes Supplementation?. <b>2016</b> , 01,		
99	Oxidative-Nitrosative Stress and Myocardial Dysfunctions in Sepsis: Evidence from the Literature and Postmortem Observations. <b>2016</b> , 2016, 3423450		40
98	Postinfarct Left Ventricular Remodelling: A Prevailing Cause of Heart Failure. <b>2016</b> , 2016, 2579832		51
97	Adiponectin Attenuates Angiotensin II-Induced Vascular Smooth Muscle Cell Remodeling through Nitric Oxide and the RhoA/ROCK Pathway. <b>2016</b> , 7, 86		35
96	Allogeneic Mesenchymal Stromal Cells Overexpressing Mutant Human Hypoxia-Inducible Factor 1- $\beta$ (HIF1- $\beta$ ) in an Ovine Model of Acute Myocardial Infarction. <b>2016</b> , 5,		22
95	Exposure to cigarette smoke abrogates the beneficial effect of ischemic postconditioning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 311, H1321-H1332	5.2	8
94	Endothelial Function in Myocardial Ischemia: Implications for Myocardial Protection. <b>2016</b> , 227-234		
93	Nitric oxide administration during paediatric cardiopulmonary bypass: a randomised controlled trial. <b>2016</b> , 42, 1744-1752		55
92	Interleukin-17A mediates cardiomyocyte apoptosis through Stat3-iNOS pathway. <b>2016</b> , 1863, 2784-2794		27
91	Are cardioprotective effects of NO-releasing drug molsidomine translatable to chronic anthracycline cardiotoxicity settings?. <b>2016</b> , 372, 52-63		1
90	Histopathological changes and mRNA expression in lungs of horses after inhalation anaesthesia with different ventilation strategies. <b>2016</b> , 107, 8-15		6

89	ER $\alpha$ expression in the endothelium ameliorates ischemia/reperfusion-mediated oxidative burst and vascular injury. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 96, 223-33	7.8	20
88	Influence of Ischemia-Reperfusion Injury on Cardiac Metabolism. <b>2016</b> , 155-167		3
87	Low plasma homoarginine concentration is associated with high rates of all-cause mortality in renal transplant recipients. <b>2017</b> , 49, 1193-1202		19
86	Myocardial oxidative damage is induced by cardiac Fas-dependent and mitochondria-dependent apoptotic pathways in human cocaine-related overdose. <b>2017</b> , 7, 44262		12
85	The clinical significance of endocardial endothelial dysfunction. <b>2017</b> , 53, 295-302		20
84	Effects of Hyperoxia During Resuscitation From Hemorrhagic Shock in Swine With Preexisting Coronary Artery Disease. <b>2017</b> , 45, e1270-e1279		14
83	Hydrogen Sulfide Preserves Endothelial Nitric Oxide Synthase Function by Inhibiting Proline-Rich Kinase 2: Implications for Cardiomyocyte Survival and Cardioprotection. <b>2017</b> , 92, 718-730		15
82	Anticancer potency of nitric oxide-releasing liposomes. <b>2017</b> , 7, 53236-53246		10
81	Transcription Factor CREM Mediates High Glucose Response in Cardiomyocytes and in a Male Mouse Model of Prolonged Hyperglycemia. <b>2017</b> , 158, 2391-2405		14
80	The l-Arginine/Asymmetric Dimethylarginine (ADMA) Ratio in Health and Disease: An Overview. <b>2017</b> , 225-238		1
79	Cardiac endothelium: More than just a barrier. <b>2017</b> ,		1
78	Sepsis-Induced Cardiomyopathy: Oxidative Implications in the Initiation and Resolution of the Damage. <b>2017</b> , 2017, 7393525		32
77	Ischemia/Reperfusion Injury following Acute Myocardial Infarction: A Critical Issue for Clinicians and Forensic Pathologists. <b>2017</b> , 2017, 7018393		177
76	Alleviating Promotion of Inflammation and Cancer Induced by Nonsteroidal Anti-Inflammatory Drugs. <i>International Journal of Inflammation</i> , <b>2017</b> , 2017, 9632018	6.4	3
75	New NO- and H <sub>2</sub> S-releasing doxorubicins as targeted therapy against chemoresistance in castration-resistant prostate cancer: in vitro and in vivo evaluations. <i>Investigational New Drugs</i> , <b>2018</b> , 36, 985-998	4.3	19
74	Hsp90 inhibition renders iNOS aggregation and the clearance of iNOS aggregates by proteasomes requires SPSB2. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 117, 90-98	7.8	9
73	Diabetic Cardiomyopathy: An Update of Mechanisms Contributing to This Clinical Entity. <i>Circulation Research</i> , <b>2018</b> , 122, 624-638	15.7	613
72	Survival kinase-dependent pathways contribute to gender difference in the response to myocardial ischemia-reperfusion and ischemic post-conditioning. <i>Cardiovascular Pathology</i> , <b>2018</b> , 33, 19-26	3.8	13

71	The effect of ischaemic preconditioning on central and peripheral fatiguing mechanisms in humans following sustained maximal isometric exercise. <i>Experimental Physiology</i> , <b>2018</b> , 103, 976-984	2.4	14
70	Pannexin hemichannels: A novel promising therapy target for oxidative stress related diseases. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 2075-2090	7	16
69	Molecular mechanisms of autophagy in cardiac ischemia/reperfusion injury (Review). <i>Molecular Medicine Reports</i> , <b>2018</b> , 18, 675-683	2.9	20
68	S-Nitrosoglutathione Reductase Is Essential for Protecting the Female Heart From Ischemia-Reperfusion Injury. <i>Circulation Research</i> , <b>2018</b> , 123, 1232-1243	15.7	22
67	Flavonoids as Nutraceuticals. <b>2018</b> , 137-155		12
66	Increased risk of atrial fibrillation among patients undergoing coronary artery bypass graft surgery while receiving nitrates and antiplatelet agents. <i>Journal of International Medical Research</i> , <b>2018</b> , 46, 3183-3194 <sup>2</sup>	1.4	194 <sup>2</sup>
65	Usefulness of Intravenous Sodium Nitrite During Resuscitation for the Treatment of Out-of-Hospital Cardiac Arrest. <i>American Journal of Cardiology</i> , <b>2018</b> , 122, 554-559	3	8
64	Cardioprotective Effects of S-Nitrosothiols in Ischemia- Reperfusion: Role for Mitochondria and Calcium Channels. <b>2018</b> ,		1
63	Protein Structure and Modification of FGFs. <b>2018</b> , 385-476		1
62	Nitric oxide plays a pivotal role in cardioprotection induced by pomegranate juice against myocardial ischemia and reperfusion. <i>Phytotherapy Research</i> , <b>2018</b> , 32, 2069-2077	6.7	6
61	Pharmacological preconditioning with inhaled nitric oxide (NO): Organ-specific differences in the lifetime of blood and tissue NO metabolites. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2018</b> , 80, 52-60	5	14
60	Red Blood Cells in Type 2 Diabetes Impair Cardiac Post-Ischemic Recovery Through an Arginase-Dependent Modulation of Nitric Oxide Synthase and Reactive Oxygen Species. <i>JACC Basic To Translational Science</i> , <b>2018</b> , 3, 450-463	8.7	29
59	Citrulline Improves Early Post-Ischemic Recovery of Rat Hearts In Vitro by Shifting Arginine Metabolism From Polyamine to Nitric Oxide Formation. <i>Clinical Medicine Insights: Cardiology</i> , <b>2018</b> , 12, 1179546818771908	3.2	4
58	A mitochondria-targeted nitric oxide donor triggered by superoxide radical to alleviate myocardial ischemia/reperfusion injury. <i>Chemical Communications</i> , <b>2019</b> , 55, 1205-1208	5.8	10
57	Vitexin protects against ischemia/reperfusion-induced brain endothelial permeability. <i>European Journal of Pharmacology</i> , <b>2019</b> , 853, 210-219	5.3	11
56	Hydrogen sulfide-mediated regulation of cell death signaling ameliorates adverse cardiac remodeling and diabetic cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H1237-H1252	5.2	21
55	Study protocol: NITric oxide during cardiopulmonary bypass to improve Recovery in Infants with Congenital heart defects (NITRIC trial): a randomised controlled trial. <i>BMJ Open</i> , <b>2019</b> , 9, e026664	3	10
54	Molecular mechanism involved in cyclophosphamide-induced cardiotoxicity: Old drug with a new vision. <i>Life Sciences</i> , <b>2019</b> , 218, 112-131	6.8	80

53	Managing the power grid: how myoglobin can regulate PO and energy distribution in skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 787-790	3.7	16
52	The clinical impact of sex differences on ischemic postconditioning during primary percutaneous coronary intervention: a POST (the effects of postconditioning on myocardial reperfusion in patients with ST-segment elevation myocardial infarction) substudy. <i>Heart and Vessels</i> , <b>2019</b> , 34, 898-905	2.1	3
51	Improvement in endothelial function in cardiovascular disease - Is arginase the target?. <i>International Journal of Cardiology</i> , <b>2020</b> , 301, 207-214	3.2	19
50	Overexpression of endothelial $\beta$ adrenergic receptor induces diastolic dysfunction in rats. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 4159	3.7	4
49	Role of AMP-activated protein kinase on cardio-metabolic abnormalities in the development of diabetic cardiomyopathy: A molecular landscape. <i>European Journal of Pharmacology</i> , <b>2020</b> , 888, 173376	5.3	11
48	Poor glycemic control impairs the cardioprotective effects of red blood cells on myocardial ischemia/reperfusion injury. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2020</b> , 97, 1-10	5	1
47	Modulating the Bioactivity of Nitric Oxide as a Therapeutic Strategy in Cardiac Surgery. <i>Journal of Surgical Research</i> , <b>2021</b> , 257, 178-188	2.5	2
46	Vitamin C: historical perspectives and heart failure. <i>Heart Failure Reviews</i> , <b>2021</b> , 26, 699-709	5	3
45	Normoxic low-altitude simulation (at 714 mmHg) improves limb blood perfusion in mice with hindlimb ischemia. <i>Physiological Reports</i> , <b>2021</b> , 9, e14228	2.6	
44	Effect of Out-of-Hospital Sodium Nitrite on Survival to Hospital Admission After Cardiac Arrest: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2021</b> , 325, 138-145	27.4	8
43	The impact of exogenous nitric oxide during cardiopulmonary bypass for cardiac surgery. <i>Perfusion (United Kingdom)</i> , <b>2021</b> , 2676591211014821	1.9	0
42	Nitrate-functionalized patch confers cardioprotection and improves heart repair after myocardial infarction via local nitric oxide delivery. <i>Nature Communications</i> , <b>2021</b> , 12, 4501	17.4	13
41	cGMP and mitochondrial K channels-Compartmentalized but closely connected in cardioprotection. <i>British Journal of Pharmacology</i> , <b>2021</b> ,	8.6	2
40	Short- and long-term exposure to air pollution increases the risk of stroke. <i>International Journal of Stroke</i> , <b>2021</b> , 17474930211042118	6.3	1
39	Ischemic heart disease and cardioprotection: Focus on estrogenic hormonal setting and microvascular health. <i>Vascular Pharmacology</i> , <b>2021</b> , 141, 106921	5.9	2
38	SIRT1 Activation Attenuates the Cardiac Dysfunction Induced by Endothelial Cell-Specific Deletion of CRIF1. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	0
37	Higher than recommend dosage of sublingual isosorbide dinitrate for treating angina pectoris: a case report and review of the literature. <i>Pan African Medical Journal</i> , <b>2021</b> , 39, 28	1.2	0
36	Fractional exhaled nitric oxide in adult congenital heart disease. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2020</b> , 100-101, 45-49	5	0

35	Tyrosine phosphorylation of eNOS regulates myocardial survival after an ischaemic insult: role of PYK2. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 926-937	9.9	17
34	Role of heat shock protein 90 and endothelial nitric oxide synthase during early anesthetic and ischemic preconditioning. <i>Anesthesiology</i> , <b>2009</b> , 110, 317-25	4.3	49
33	Endothelial Nogo-B regulates sphingolipid biosynthesis to promote pathological cardiac hypertrophy during chronic pressure overload. <i>JCI Insight</i> , <b>2016</b> , 1,	9.9	38
32	Accelerated resolution of inflammation underlies sex differences in inflammatory responses in humans. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 169-182	15.9	82
31	Effect of arginase inhibition on ischemia-reperfusion injury in patients with coronary artery disease with and without diabetes mellitus. <i>PLoS ONE</i> , <b>2014</b> , 9, e103260	3.7	35
30	Acute sleep deprivation preconditions the heart against ischemia/ reperfusion injury: the role of central GABA-A receptors. <i>Iranian Journal of Basic Medical Sciences</i> , <b>2017</b> , 20, 1232-1241	1.8	5
29	The Role of Nitric Oxide in Health and Diseases. <i>Scimetr</i> , <b>2014</b> , 3,		11
28	Hydrogen sulfide plays a potential alternative for the treatment of metabolic disorders of diabetic cardiomyopathy. <i>Molecular and Cellular Biochemistry</i> , <b>2021</b> , 1	4.2	2
27	Maternal melatonin: Effective intervention against developmental programming of cardiovascular dysfunction in adult offspring of complicated pregnancy. <i>Journal of Pineal Research</i> , <b>2021</b> , 72, e12766	10.4	0
26	Endocardial Endothelial Dysfunction and Unknown Polymorphic Composite Accumulation in Heart Failure. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	0
25	Aging and Cardiac Ischemia Mitochondria and Free Radical Considerations. <b>2008</b> , 253-267		
24	Arginine, Tetrahydrobiopterin, and Nitric Oxide in Myocardial Protection. <b>2013</b> , 101-122		
23	Overview of Oxidative Stress and Cardiovascular Disease. <b>2014</b> , 719-764		
22	Current and Future Therapies for Management of Systolic Heart Failure. <i>Journal of Cardiology &amp; Current Research</i> , <b>2015</b> , 3,	0.1	
21	Redox Aspects of Myocardial Ischemia/Reperfusion Injury and Cardioprotection. <b>2019</b> , 289-324		0
20	Putative anti-inflammatory, antioxidant, and anti-apoptotic roles of the natural tissue guardian methyl palmitate against isoproterenol-induced myocardial injury in rats. <i>Future Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 6,	2.1	1
19	Genotoxicity, nitric oxide level modulation and cardio-protective potential of Kalanchoe Integra Var. Crenata (Andr.) Cuf Leaves in murine models. <i>Journal of Ethnopharmacology</i> , <b>2022</b> , 283, 114640	5	0
18	Oxytocin promotes epicardial cell activation and heart regeneration after cardiac injury.		

17	Nitric oxide in the cardiovascular system: a simple molecule with complex actions. <i>Cardiovascular Journal of Africa</i> , <b>2009</b> , 20, 303-10	0.7	55
16	Mechanisms of load dependency of myocardial ischemia reperfusion injury. <i>American Journal of Cardiovascular Disease</i> , <b>2013</b> , 3, 180-96	0.9	50
15	Cellular and molecular mechanisms of endothelial ischemia/reperfusion injury: perspectives and implications for postischemic myocardial protection. <i>American Journal of Translational Research (discontinued)</i> , <b>2016</b> , 8, 765-77	3	62
14	Association of Mutations Identified in Xanthinuria with the Function and Inhibition Mechanism of Xanthine Oxidoreductase. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	0
13	An Injectable Dual-Function Hydrogel Protects Against Myocardial Ischemia/Reperfusion Injury by Modulating ROS/NO Disequilibrium.. <i>Advanced Science</i> , <b>2022</b> , e2105408	13.6	4
12	Matrix Metalloproteinase-2 Inhibition in Acute Ischemia-Reperfusion Heart Injury-Cardioprotective Properties of Carvedilol.. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	1
11	Role of Nitric Oxide and Protein S-Nitrosylation in Ischemia-Reperfusion Injury.. <i>Antioxidants</i> , <b>2021</b> , 11,	7.1	4
10	Beetroot, beetleaves and rocket, as sources of nitrogen and sulfur containing compounds, attenuate lipid accumulation in adipocytes. <i>Planta Medica</i> , <b>2021</b> , 87,	3.1	
9	Sphingolipid Metabolism and Signaling in Endothelial Cell Functions.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1372, 87-117	3.6	0
8	Signaling Pathways Involved in Myocardial IschemiaReperfusion Injury and Cardioprotection: A Systematic Review of Transcriptomic Studies in <i>Sus scrofa</i> . <i>Journal of Cardiovascular Development and Disease</i> , <b>2022</b> , 9, 132	4.2	0
7	Association of matrix metalloproteinase-9 and nitric oxide with hypertension in obstructive sleep apnea. <i>Laryngoscope Investigative Otolaryngology</i> ,	2.8	
6	Effect of Nitric Oxide via Cardiopulmonary Bypass on Ventilator-Free Days in Young Children Undergoing Congenital Heart Disease Surgery. <i>JAMA - Journal of the American Medical Association</i> ,	27.4	2
5	Risk factors for a broken heart: understanding drug-induced causes for Takotsubo syndrome and pharmacological treatment options. <b>2022</b> , 15, 1017-1025		0
4	Oxytocin promotes epicardial cell activation and heart regeneration after cardiac injury. 10,		0
3	Aging of the Vasculature. <b>2023</b> , 153-182		0
2	A Novel Ultrasound-Responsive Biomimetic Nanoparticle for Targeted Delivery and Controlled Release of Nitric Oxide to Attenuate Myocardial Ischemia Reperfusion Injury. 2300004		0
1	Metal Coordination Complexes as Therapeutic Agents for Ischemia-Reperfusion Injury.		0