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Phosphodiesterase-5 inhibition with sildenafil attenuates cardiomyocyte apoptosis and left ventricular dysfunction in a chronic model of doxorubicin cardiotoxicity

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#	Paper	IF	Citations
292	Protecting against anthracycline-induced myocardial damage: a review of the most promising strategies. 2005 , 131, 561-78		340
291	Phosphodiesterase 5A as a target in cardiac disease. 2005 , 9, 1097-100		1
290	Inhibitors of cyclic nucleotide phosphodiesterase 3 and 5 as therapeutic agents in heart failure. 2006 , 15, 733-42		26
289	Anthracycline cardiotoxicity. 2006 , 5, 791-809		97
288	Cardioprotective effects of a novel iron chelator, pyridoxal 2-chlorobenzoyl hydrazone, in the rabbit model of daunorubicin-induced cardiotoxicity. 2006 , 319, 1336-47		37
287	The ubiquitous role of nitric oxide in cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 40, 16-23	5.8	356
286	Sildenafil: from angina to erectile dysfunction to pulmonary hypertension and beyond. 2006 , 5, 689-702	2	366
285	Synergistic effects of atorvastatin and sildenafil in cardioprotectionrole of NO. <i>Cardiovascular Drugs and Therapy</i> , 2006 , 20, 5-8	3.9	5
284	The emerging role for type 5 phosphodiesterase inhibition in heart failure. 2006 , 3, 123-8		12
283	Cardiovascular effects of phosphodiesterase 5 inhibitors. 2006 , 12, 3485-94		45
282	Expression, distribution and regulation of phosphodiesterase 5. 2006 , 12, 3439-57		105
281	Sildenafil extends survival and graft function in a large animal lung transplantation model. 2006 , 29, 288-93		16
280	Heat shock protects cardiac cells from doxorubicin-induced toxicity by activating p38 MAPK and phosphorylation of small heat shock protein 27. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2680-91	5.2	67
279	Cyclic nucleotide phosphodiesterase PDE1C1 in human cardiac myocytes. 2007 , 282, 32749-57		81
278	cAMP and cGMP signaling cross-talk: role of phosphodiesterases and implications for cardiac pathophysiology. <i>Circulation Research</i> , 2007 , 100, 1569-78	15.7	255
277	Sildenafil (Viagra) attenuates ischemic cardiomyopathy and improves left ventricular function in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1398-406	5.2	129
276	Sildenafil-mediated acute cardioprotection is independent of the NO/cGMP pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H342-7	5.2	55

275	The effects of chronic phosphodiesterase-5 inhibitor use on different organ systems. 2007 , 19, 139-48		45
274	Phosphodiesterase type 5: expanding roles in cardiovascular regulation. <i>Circulation Research</i> , 2007 , 101, 1084-95	15.7	164
273	Type 5 phosphodiesterase inhibitors in the treatment of erectile dysfunction and cardiovascular disease. <i>Cardiology in Review</i> , 2007 , 15, 76-86	3.2	52
272	Sildenafil and vardenafil but not nitroglycerin limit myocardial infarction through opening of mitochondrial K(ATP) channels when administered at reperfusion following ischemia in rabbits. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 453-8	5.8	105
271	Beneficial effects of carbon monoxide-releasing molecules on post-ischemic myocardial recovery. <i>Life Sciences</i> , 2007 , 80, 1619-26	6.8	45
270	Phosphodiesterases. 2007 , 919-957		4
269	Doxorubicin-induced cardiotoxicity: direct correlation of cardiac fibroblast and H9c2 cell survival and aconitase activity with heat shock protein 27. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H3111-21	5.2	59
268	Phosphodiesterase regulation of nitric oxide signaling. 2007 , 75, 303-14		112
267	Sildenafil reduces L-NAME-induced severe hypertension and worsening of myocardial ischaemia-reperfusion damage in the rat. <i>British Journal of Pharmacology</i> , 2007 , 150, 567-76	8.6	42
266	Cardiovascular protection with sildenafil following chronic inhibition of nitric oxide synthase. <i>British Journal of Pharmacology</i> , 2007 , 150, 538-40	8.6	22
265	Daily administration of phosphodiesterase type 5 inhibitors for urological and nonurological indications. 2007 , 52, 990-1005		45
264	Myocardial phosphodiesterases and regulation of cardiac contractility in health and cardiac disease. <i>Cardiovascular Drugs and Therapy</i> , 2007 , 21, 171-94	3.9	61
263	Preventive cardioprotection of erythropoietin against doxorubicin-induced cardiomyopathy. <i>Cardiovascular Drugs and Therapy</i> , 2007 , 21, 367-74	3.9	36
262	Nonurologic applications of phosphodiesterase type 5 inhibitors. 2007 , 4, 64-70		1
261	Sildenafil and phosphodiesterase-5 inhibitors for heart failure. 2008 , 5, 110-4		17
260	Chronic administration of Sildenafil improves markers of endothelial function in men with Type 2 diabetes. 2008 , 25, 37-44		101
259	Differences in doxorubicin-induced apoptotic signaling in adult and immature cardiomyocytes. 2008 , 45, 1723-8		50
258	Expression, activity, and pro-hypertrophic effects of PDE5A in cardiac myocytes. 2008 , 20, 2231-6		74

257	Preclinical assessment of cardiac toxicity. 2008, 13, 702-7	41
256	Sildenafil-mediated neovascularization and protection against myocardial ischaemia reperfusion injury in rats: role of VEGF/angiopoietin-1. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 2651-64 ^{5.6}	66
255	Essential role of mitochondrial Ca2+-activated and ATP-sensitive K+ channels in sildenafil-induced late cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 44, 105-13	67
254	Anthracycline cardiotoxicity: from bench to bedside. 2008 , 26, 3777-84	348
253	Protein kinase G-dependent cardioprotective mechanism of phosphodiesterase-5 inhibition involves phosphorylation of ERK and GSK3beta. 2008 , 283, 29572-85	153
252	A mouse model for juvenile doxorubicin-induced cardiac dysfunction. 2008 , 64, 488-94	52
251	Phosphodiesterase-5 inhibition abolishes neuron apoptosis induced by chronic hypoxia independently of hypoxia-inducible factor-1alpha signaling. 2008 , 233, 1222-30	36
250	Fatty acids ameliorate doxorubicin-induced intracellular ca2+ increase and apoptosis in rat cardiomyocytes. 2008 , 31, 809-15	20
249	Complications cardiaques des maladies malignes et de leurs traitements. 2008 , 3, 1-19	2
248	Sildenafil (Viagra) attenuates ischemic cardiomyopathy and improves left ventricular function in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1398-H1406	90
247	The role of nitric oxide in myocardial repair and remodeling. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1913-28	89
246	cGMP-hydrolytic activity and its inhibition by sildenafil in normal and failing human and mouse myocardium. 2009 , 330, 884-91	59
245	Chronic inhibition of phosphodiesterase 5 does not prevent pressure-overload-induced right-ventricular remodelling. 2009 , 82, 30-9	56
244	Distinct myocardial effects of beta-blocker therapy in heart failure with normal and reduced left ventricular ejection fraction. 2009 , 30, 1863-72	46
243	Pretreatment of sildenafil attenuates ischemia-reperfusion renal injury in rats. 2009 , 297, F362-70	90
242	Tadalafil improves short-term memory by suppressing ischemia-induced apoptosis of hippocampal neuronal cells in gerbils. 2009 , 91, 629-35	64
241	Cyclic GMP signaling in cardiovascular pathophysiology and therapeutics. 2009 , 122, 216-38	273
240	Exploiting cGMP-based therapies for the prevention of left ventricular hypertrophy: NO* and beyond. 2009 , 124, 279-300	51

239	Cardiovascular effects of phosphodiesterase type 5 inhibitors. 2009 , 6, 658-74		38
238	Cardiomyocyte death in doxorubicin-induced cardiotoxicity. 2009 , 57, 435-45		270
237	Pivotal effects of phosphodiesterase inhibitors on myocyte contractility and viability in normal and ischemic hearts. 2009 , 30, 1-24		45
236	Procyanidins produce significant attenuation of doxorubicin-induced cardiotoxicity via suppression of oxidative stress. 2009 , 104, 192-7		34
235	Evaluation of the topoisomerase II-inactive bisdioxopiperazine ICRF-161 as a protectant against doxorubicin-induced cardiomyopathy. 2009 , 255, 72-9		73
234	Sildenafil attenuates renal injury in an experimental model of rat cisplatin-induced nephrotoxicity. 2009 , 257, 137-43		61
233	Acute hemodynamic effects of intravenous sildenafil citrate in congestive heart failure: comparison of phosphodiesterase type-3 and -5 inhibition. 2009 , 28, 676-82		40
232	Appraising cardiotoxicity associated with liposomal doxorubicin by means of tissue Doppler echocardiography end-points: rationale and design of the LITE (Liposomal doxorubicin-Investigational chemotherapy-Tissue Doppler imaging Evaluation) randomized pilot	3.2	16
231	Cyclic GMP-hydrolyzing phosphodiesterases. 2009 , 367-408		28
230	Sildenafil stops progressive chamber, cellular, and molecular remodeling and improves calcium handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009 , 53, 207-15		124
230	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure		124
	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009 , 53, 207-15	2.4	
229	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009, 53, 207-15 cGMP: Generators, Effectors and Therapeutic Implications. 2009, Sildenafil decreased cardiac cell apoptosis in diabetic mice: reduction of oxidative stress as a	2.4	13
229	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009, 53, 207-15 CGMP: Generators, Effectors and Therapeutic Implications. 2009, Sildenafil decreased cardiac cell apoptosis in diabetic mice: reduction of oxidative stress as a possible mechanism. Canadian Journal of Physiology and Pharmacology, 2009, 87, 556-64 Pharmacologic prevention of anthracycline-induced cardiomyopathy. Cardiology in Review, 2009,		13
229 228 227	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009, 53, 207-15 CGMP: Generators, Effectors and Therapeutic Implications. 2009, Sildenafil decreased cardiac cell apoptosis in diabetic mice: reduction of oxidative stress as a possible mechanism. Canadian Journal of Physiology and Pharmacology, 2009, 87, 556-64 Pharmacologic prevention of anthracycline-induced cardiomyopathy. Cardiology in Review, 2009, 17, 243-52		13 23 8
229 228 227 226	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009, 53, 207-15 cGMP: Generators, Effectors and Therapeutic Implications. 2009, Sildenafil decreased cardiac cell apoptosis in diabetic mice: reduction of oxidative stress as a possible mechanism. Canadian Journal of Physiology and Pharmacology, 2009, 87, 556-64 Pharmacologic prevention of anthracycline-induced cardiomyopathy. Cardiology in Review, 2009, 17, 243-52 Phosphodiesterase 5 inhibitors: are they cardioprotective?. 2009, 83, 204-12 PDE5A suppression of acute beta-adrenergic activation requires modulation of myocyte beta-3 signaling coupled to PKG-mediated troponin I phosphorylation. Basic Research in Cardiology, 2010,	3.2	13 23 8 29
229 228 227 226	handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. 2009, 53, 207-15 cGMP: Generators, Effectors and Therapeutic Implications. 2009, Sildenafil decreased cardiac cell apoptosis in diabetic mice: reduction of oxidative stress as a possible mechanism. Canadian Journal of Physiology and Pharmacology, 2009, 87, 556-64 Pharmacologic prevention of anthracycline-induced cardiomyopathy. Cardiology in Review, 2009, 17, 243-52 Phosphodiesterase 5 inhibitors: are they cardioprotective?. 2009, 83, 204-12 PDE5A suppression of acute beta-adrenergic activation requires modulation of myocyte beta-3 signaling coupled to PKG-mediated troponin I phosphorylation. Basic Research in Cardiology, 2010, 105, 337-47	3.2	13 23 8 29 80

221	Adenosine A3 receptor-mediated cardioprotection against doxorubicin-induced mitochondrial damage. 2010 , 79, 180-7		21
220	Erectile function rehabilitation in the radical prostatectomy patient. 2010 , 7, 1687-98		85
219	Modulating the nitric oxide - cyclic GMP pathway in the pressure-overloaded left ventricle and group II pulmonary hypertension. 2010 , 64, 15-22		8
218	Testosterone and chronic sildenafil/tadalafil anti-apoptotic role in aged diabetic rats. 2010 , 22, 255-61		25
217	The role of cGMP-dependent protein kinase in controlling cardiomyocyte cGMP. <i>Circulation Research</i> , 2010 , 107, 1164-6	15.7	13
216	Cardioprotective actions of cyclic GMP: lessons from genetic animal models. 2010 , 55, 453-8		3
215	A new boost from sildenafil. 2010 , 3, 1198-1198		
214	Long-acting phosphodiesterase-5 inhibitor tadalafil attenuates doxorubicin-induced cardiomyopathy without interfering with chemotherapeutic effect. 2010 , 334, 1023-30		80
213	Sildenafil increases chemotherapeutic efficacy of doxorubicin in prostate cancer and ameliorates cardiac dysfunction. 2010 , 107, 18202-7		116
212	Role of heat shock factor-1 activation in the doxorubicin-induced heart failure in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1832-41	5.2	48
211	Protection from doxorubicin-induced cardiomyopathy using the modified anthracycline N-benzyladriamycin-14-valerate (AD 198). 2010 , 335, 223-30		23
210	Doxorubicin cardiomyopathy. 2010 , 115, 155-62		648
209	Myocardial remodeling is controlled by myocyte-targeted gene regulation of phosphodiesterase type 5. 2010 , 56, 2021-30		57
208	Regression of cardiac hypertrophy by cyclic guanosine monophosphate-dependent protein kinase signaling are myocytes active sources or mere beneficiaries?. 2010 , 56, 2031-2		
207	Cardiac side-effects of cancer chemotherapy. International Journal of Cardiology, 2010, 144, 3-15	3.2	284
206	Pulmonary hypertension in heart failure. 2010 , 16, 461-74		63
205	Prolyl hydroxylase 3 interacts with Bcl-2 to regulate doxorubicin-induced apoptosis in H9c2 cells. 2010 , 401, 231-7		33
204	Alterations in mitochondrial function as a harbinger of cardiomyopathy: lessons from the dystrophic heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 310-21	5.8	39

203	Selenium-mediated cardioprotection against adriamycin-induced mitochondrial damage. 2011 , 34, 199-207	21
202	Penile rehabilitation after prostate cancer treatment: outcomes and practical algorithm. 2011 , 38, 105-18	19
201	Dietary nitrate supplementation protects against Doxorubicin-induced cardiomyopathy by improving mitochondrial function. 2011 , 57, 2181-9	71
200	Phosphodiesterases as Drug Targets. 2011 ,	20
199	Phosphodiesterase-5 Inhibitors in Protection Against Doxorubicin-Induced Cardiomyopathy. 2011 , 243-255	
198	Investigational noncardiovascular uses of phosphodiesterase-5 inhibitors. 2011 , 12, 2297-313	12
197	Possibilities to increase the effectiveness of doxorubicin in cancer cells killing. 2011 , 43, 540-57	49
196	Phosphodiesterase inhibition in heart failure. 2011 , 237-49	27
195	miR-499 regulates mitochondrial dynamics by targeting calcineurin and dynamin-related protein-1. 2011 , 17, 71-8	446
194	Phosphodiesterase-5 inhibition mimics intermittent reoxygenation and improves cardioprotection in the hypoxic myocardium. <i>PLoS ONE</i> , 2011 , 6, e27910	20
193	Long-Acting Phosphodiesterase-5 Inhibitor Tadalafil Attenuates Doxorubicin-Induced Cardiomyopathy without Interfering with Chemotherapeutic Effect. 2011 , 2011, 350-355	
192	PDE5 Inhibition With Sildenafil Improves Left Ventricular Diastolic Function, Cardiac Geometry, and Clinical Status in Patients With Stable Systolic Heart Failure: Results of a 1-Year, Prospective, Randomized, Placebo-Controlled Study. 2011 , 2011, 323-325	
191	Chronic vardenafil treatment improves erectile function via structural maintenance of penile corpora cavernosa in rats with acute arteriogenic erectile dysfunction. 2011 , 8, 705-11	19
190	Calpain-mediated dystrophin disruption may be a potential structural culprit behind chronic doxorubicin-induced cardiomyopathy. 2011 , 670, 541-53	23
189	Protection against adriamycin-induced cardiomyopathy by carnosine in rats: role of endogenous antioxidants. 2011 , 143, 412-24	17
188	Interfering with Smoking-Induced Pathophysiology. 2011 , 329-353	
187	Baicalein protects against doxorubicin-induced cardiotoxicity by attenuation of mitochondrial oxidant injury and JNK activation. 2011 , 112, 2873-81	61
186	Sphingosine-1-phosphate produced by sphingosine kinase 2 in mitochondria interacts with prohibitin 2 to regulate complex IV assembly and respiration. 2011 , 25, 600-12	256

185	Evidence for Pleiotropic Effects of Phosphodiesterase-5 (PDE5) Inhibitors: Emerging Concepts in Cancer and Cardiovascular Medicine. <i>Circulation Research</i> , 2011 , 108, 1040-1041	15.7	2
184	Res-erection of Viagra as a heart drug. 2011 , 4, 2-4		6
183	PDE5 inhibition with sildenafil improves left ventricular diastolic function, cardiac geometry, and clinical status in patients with stable systolic heart failure: results of a 1-year, prospective, randomized, placebo-controlled study. 2011 , 4, 8-17		298
182	Mammalian cyclic nucleotide phosphodiesterases: molecular mechanisms and physiological functions. 2011 , 91, 651-90		443
181	Protective effect of carnosine on adriamycin-induced oxidative heart damage in rats. 2011 , 11, 3-10		25
180	Cardiac cyclic nucleotide phosphodiesterases: function, regulation, and therapeutic prospects. 2012 , 44, 766-75		22
179	Downregulation of doxorubicin-induced myocardial apoptosis accompanies postnatal heart maturation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1603-13	5.2	28
178	Cinaciguat, a novel activator of soluble guanylate cyclase, protects against ischemia/reperfusion injury: role of hydrogen sulfide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1347-54	5.2	55
177	Chronic Inhibition of cGMP phosphodiesterase 5A improves diabetic cardiomyopathy: a randomized, controlled clinical trial using magnetic resonance imaging with myocardial tagging. <i>Circulation</i> , 2012 , 125, 2323-33	16.7	129
176	Protein kinase g ilinhibits pressure overload-induced cardiac remodeling and is required for the cardioprotective effect of sildenafil in vivo. 2012 , 1, e003731		54
175	Heat shock factor-1 knockout induces multidrug resistance gene, MDR1b, and enhances P-glycoprotein (ABCB1)-based drug extrusion in the heart. 2012 , 109, 9023-8		33
174	Heat shock protein 25-enriched plasma transfusion preconditions the heart against doxorubicin-induced dilated cardiomyopathy in mice. 2012 , 341, 829-39		14
173	Cancer therapy-induced cardiac toxicity in early breast cancer: addressing the unresolved issues. <i>Circulation</i> , 2012 , 126, 2749-63	16.7	148
172	Long-term effects of sildenafil in a rat model of chronic mitral regurgitation: benefits of ventricular remodeling and exercise capacity. <i>Circulation</i> , 2012 , 125, 1390-401	16.7	51
171	Phosphodiesterases and cyclic GMP regulation in heart muscle. 2012 , 27, 248-58		38
170	Cardiac uses of phosphodiesterase-5 inhibitors. 2012 , 59, 9-15		65
169	Selective PDE5A inhibition with sildenafil rescues left ventricular dysfunction, inflammatory immune response and cardiac remodeling in angiotensin II-induced heart failure in vivo. <i>Basic Research in Cardiology</i> , 2012 , 107, 308	11.8	47
168	Dietary inorganic nitrate alleviates doxorubicin cardiotoxicity: mechanisms and implications. 2012 , 26, 274-84		34

(2013-2012)

167	Doxorubicin-induced cardiomyopathy: from molecular mechanisms to therapeutic strategies. Journal of Molecular and Cellular Cardiology, 2012 , 52, 1213-25	8	840
166	Effect of sildenafil on ventricular arrhythmias in post-infarcted rat hearts. 2012 , 690, 124-32		8
165	Protective effect of guggulsterone against cardiomyocyte injury induced by doxorubicin in vitro. 2012 , 12, 138		16
164	Cardiotoxicity in childhood cancer survivors: strategies for prevention and management. 2012 , 8, 647-70		90
163	Detection and prevention of cardiac complications of cancer chemotherapy. 2012 , 105, 593-604		27
162	Cyclic guanosine monophosphate signaling and phosphodiesterase-5 inhibitors in cardioprotection. 2012 , 59, 1921-7		58
161	Cardiac role of cyclic-GMP hydrolyzing phosphodiesterase type 5: from experimental models to clinical trials. 2012 , 9, 192-9		26
160	The cardioprotective effects of an antiemetic drug, tropisetron, on cardiomyopathy related to doxorubicin. <i>Cardiovascular Toxicology</i> , 2012 , 12, 318-25	4	14
159	Anti-inflammatory and cardioprotective effects of tadalafil in diabetic mice. <i>PLoS ONE</i> , 2012 , 7, e45243 3:	7	65
158	Autonomic cerebral vascular response to sildenafil in diabetic patient. 2012 , 4, 2		9
158 157	Autonomic cerebral vascular response to sildenafil in diabetic patient. 2012 , 4, 2 Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012 , 30, 326-35		9 52
·	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012 , 30, 326-35 Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic	1.8	
157	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012 , 30, 326-35 Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic changes associated with cytoskeletal rearrangement and redox regulation in Type 2 diabetic	1.8	52
157 156	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012 , 30, 326-35 Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic changes associated with cytoskeletal rearrangement and redox regulation in Type 2 diabetic hearts. <i>Basic Research in Cardiology</i> , 2012 , 107, 249	1.8	52
157 156 155	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012, 30, 326-35 Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic changes associated with cytoskeletal rearrangement and redox regulation in Type 2 diabetic hearts. Basic Research in Cardiology, 2012, 107, 249 Kaempferol protects against doxorubicin-induced cardiotoxicity in vivo and in vitro. 2012, 292, 53-62	1.8	52 24 96
157 156 155	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012, 30, 326-35 Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic changes associated with cytoskeletal rearrangement and redox regulation in Type 2 diabetic hearts. <i>Basic Research in Cardiology</i> , 2012, 107, 249 Kaempferol protects against doxorubicin-induced cardiotoxicity in vivo and in vitro. 2012, 292, 53-62 Role of phosphodiesterase-5 inhibitors in heart failure: emerging data and concepts. 2013, 10, 26-35	1.8	52 24 96
157 156 155 154	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. 2012, 30, 326-35 Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic changes associated with cytoskeletal rearrangement and redox regulation in Type 2 diabetic hearts. Basic Research in Cardiology, 2012, 107, 249 Kaempferol protects against doxorubicin-induced cardiotoxicity in vivo and in vitro. 2012, 292, 53-62 Role of phosphodiesterase-5 inhibitors in heart failure: emerging data and concepts. 2013, 10, 26-35 Sildenafil after cardiac arrest and infarction; an experimental rat model. 2013, 47, 58-64 Phosphodiesterase-5 inhibitor tadalafil attenuates oxidative stress and protects against myocardial	1.8	 52 24 96 14 4

149	Doxorubicin-Induced Cardiac Toxicity Is Mediated by Lowering of Peroxisome Proliferator-Activated Receptor Expression in Rats. 2013 , 2013, 456042	15
148	Doxorubicin-induced vascular dysfunction and its attenuation by exercise preconditioning. <i>Journal of Cardiovascular Pharmacology</i> , 2013 , 62, 355-60	19
147	Salidroside improves doxorubicin-induced cardiac dysfunction by suppression of excessive oxidative stress and cardiomyocyte apoptosis. <i>Journal of Cardiovascular Pharmacology</i> , 2013 , 62, 512-23 ^{3.1}	33
146	Effects of molsidomine against doxorubicin-induced cardiotoxicity in rats. 2013 , 51, 79-90	12
145	Doxorubicin caused apoptosis of mesenchymal stem cells via p38, JNK and p53 pathway. 2013 , 32, 1072-82	39
144	Effect of sildenafil-induced nitric oxide on the histomorphology of cardiomyocytes in male rats. 2013 , 3, 84-7	14
143	Protein kinase G I and heart failure: Shifting focus from vascular unloading to direct myocardial antiremodeling effects. 2013 , 6, 1268-83	19
142	Protective effect of melatonin against Adriamycin-induced cardiotoxicity. 2013 , 5, 1496-1500	12
141	Vascular Pharmacology. 2013 , 75-93	1
140	Sildenafil attenuates hepatocellular injury after liver ischemia reperfusion in rats: a preliminary study. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 161942	20
139	Astragalus polysaccharide suppresses doxorubicin-induced cardiotoxicity by regulating the PI3k/Akt and p38MAPK pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 674219	55
138	PDE5 inhibitors enhance the lethality of standard of care chemotherapy in pediatric CNS tumor cells. 2014 , 15, 758-67	41
137	Diabetic Cardiomyopathy. 2014 ,	2
136	Treatment for pulmonary arterial hypertension-associated right ventricular dysfunction. 2014 , 11, 1101-15	28
135	Phosphodiesterase 5 inhibitors enhance chemotherapy killing in gastrointestinal/genitourinary cancer cells. 2014 , 85, 408-19	56
134	Heart failure with preserved ejection fraction: mechanisms, clinical features, and therapies. Circulation Research, 2014 , 115, 79-96	322
133	Ghrelin inhibits doxorubicin cardiotoxicity by inhibiting excessive autophagy through AMPK and p38-MAPK. 2014 , 88, 334-50	115
132	Clinical and molecular genetics of the phosphodiesterases (PDEs). 2014 , 35, 195-233	157

131	Effect of phosphodiesterase-5 inhibition on apoptosis and beta amyloid load in aged mice. 2014 , 35, 520-31	66
130		
129	The role of phosphodiesterase-5 inhibitors in prostatic inflammation: a review. 2015 , 12, 54	23
128	Effects of Single Drug and Combined Short-term Administration of Sildenafil, Pimobendan, and Nicorandil on Right Ventricular Function in Rats With Monocrotaline-induced Pulmonary 3.1 Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2015 , 65, 640-8	7
127	Anthracycline-Induced Cardiomyopathy in Adults. 2015 , 5, 1517-40	36
126	Cardioprotective effect of metformin against doxorubicin cardiotoxicity in rats. 2016 , 16, 234-41	33
125	Sildenafil Protects against Myocardial Ischemia-Reperfusion Injury Following Cardiac Arrest in a Porcine Model: Possible Role of the Renin-Angiotensin System. 2015 , 16, 27015-31	14
124	Redox regulation of cGMP-dependent protein kinase Illin the cardiovascular system. <i>Frontiers in Pharmacology</i> , 2015 , 6, 139	18
123	Recent Advances on Pathophysiology, Diagnostic and Therapeutic Insights in Cardiac Dysfunction Induced by Antineoplastic Drugs. 2015 , 2015, 138148	32
122	Near infra-red laser mediated photothermal and antitumor efficacy of doxorubicin conjugated gold nanorods with reduced cardiotoxicity in swiss albino mice. 2015 , 11, 1435-44	21
121	Priming the proteasome by protein kinase G: a novel cardioprotective mechanism of sildenafil. 2015 , 11, 177-89	5
120	Treatment of Chronic Right Heart Failure. 2015 , 401-418	
119	Noninvasive molecular imaging of apoptosis in a mouse model of anthracycline-induced cardiotoxicity. 2015 , 8, e001952	28
118	Protective effect of cilostazol against doxorubicin-induced cardiomyopathy in mice. 2015 , 89, 54-61	26
117	Boswellic acids synergize antitumor activity and protect against the cardiotoxicity of doxorubicin in mice bearing EhrlichB carcinoma. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 695-708	17
116	Anthracyclines/trastuzumab: new aspects of cardiotoxicity and molecular mechanisms. 2015 , 36, 326-48	161
115	The effects of sildenafil and n-acetylcysteine on ischemia and reperfusion injury in gastrocnemius muscle and femoral artery endothelium. 2015 , 23, 21-30	9
114	Strategies to increase nitric oxide signalling in cardiovascular disease. 2015 , 14, 623-41	312

113	Improving the preclinical models for the study of chemotherapy-induced cardiotoxicity: a Position Paper of the Italian Working Group on Drug Cardiotoxicity and Cardioprotection. 2015 , 20, 621-31		32
112	Therapeutic effects of udenafil on pressure-overload cardiac hypertrophy. 2015 , 38, 597-604		8
111	PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. 2015 , 147, 12-21		144
110	The Right Ventricle in Health and Disease. 2015,		4
109	Acute adriamycin-induced cardiotoxicity is exacerbated by angiotension II. 2016, 68, 33-43		11
108	Novel Perspectives in Redox Biology and Pathophysiology of Failing Myocytes: Modulation of the Intramyocardial Redox Milieu for Therapeutic Interventions-A Review Article from the Working Group of Cardiac Cell Biology, Italian Society of Cardiology. Oxidative Medicine and Cellular	6.7	8
107	Sildenafil (Viagra) sensitizes prostate cancer cells to doxorubicin-mediated apoptosis through CD95. <i>Oncotarget</i> , 2016 , 7, 4399-413	3.3	29
106	Cardiotoxicity from anthracycline and cardioprotection in paediatric cancer patients. <i>Journal of Cardiovascular Medicine</i> , 2016 , 17 Suppl 1, S55-63	1.9	8
105	Phosphodiesterase 5 Inhibition Limits Doxorubicin-induced Heart Failure by Attenuating Protein Kinase G IlDxidation. 2016 , 291, 17427-36		34
104	Development of Therapeutics That Induce Mitochondrial Biogenesis for the Treatment of Acute and Chronic Degenerative Diseases. 2016 , 59, 10411-10434		29
103	Preventing antiblastic drug-related cardiomyopathy: old and new therapeutic strategies. <i>Journal of Cardiovascular Medicine</i> , 2016 , 17 Suppl 1, S64-75	1.9	18
102	Old dog, new tricks: novel cardiac targets and stress regulation by protein kinase G. 2016 , 111, 154-62		32
101	Pentoxifylline abrogates cardiotoxicity induced by the administration of a single high dose or multiple low doses of doxorubicin in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016 , 94, 1170-1177	2.4	1
100	The TGF-pathway mediates doxorubicin effects on cardiac endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 90, 129-38	5.8	14
99	Caspase-1 Inflammasome Activation Mediates Homocysteine-Induced Pyrop-Apoptosis in Endothelial Cells. <i>Circulation Research</i> , 2016 , 118, 1525-39	15.7	122
98	MicroRNAs as early toxicity signatures of doxorubicin in human-induced pluripotent stem cell-derived cardiomyocytes. 2016 , 90, 3087-3098		59
97	Chemical Endoplasmic Reticulum Chaperone Alleviates Doxorubicin-Induced Cardiac Dysfunction. <i>Circulation Research</i> , 2016 , 118, 798-809	15.7	60
96	Doxorubicin induced heart failure: Phenotype and molecular mechanisms. 2016 , 10, 17-24		155

95	Everything you ever wanted to know about phosphodiesterase 5 inhibitors and the heart (but never dared ask): How do they work?. 2016 , 39, 131-42		18
94	Nutrition Modulation of Cardiotoxicity and Anticancer Efficacy Related to Doxorubicin Chemotherapy by Glutamine and B Polyunsaturated Fatty Acids. 2016 , 40, 52-66		14
93	Rutin attenuates doxorubicin-induced cardiotoxicity via regulating autophagy and apoptosis. 2017 , 1863, 1904-1911		58
92	Long-acting PDE5 inhibitor tadalafil prevents early doxorubicin-induced left ventricle diastolic dysfunction in juvenile mice: potential role of cytoskeletal proteins. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017 , 95, 295-304	2.4	7
91	Pulmonary hemodynamics and effects of phosphodiesterase type 5 inhibition in heart failure: a meta-analysis of randomized trials. <i>BMC Cardiovascular Disorders</i> , 2017 , 17, 150	2.3	23
90	Sarcoma. 2017 ,		
89	Folic acid reduces doxorubicin-induced cardiomyopathy by modulating endothelial nitric oxide synthase. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 3277-3287	5.6	26
88	Chemotherapy for osteosarcoma: Adverse effects and remedial measures. <i>Pediatric Hematology Oncology Journal</i> , 2017 , 2, 41-47	0.3	3
87	A comprehensive review on the potential therapeutic benefits of phosphodiesterase inhibitors on cardiovascular diseases. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 94, 541-556	7.5	25
86	Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: A Translational F-FDG PET/CT Observation. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1638	3-9 <i>8</i> 45	42
85	Decreased Soluble Guanylate Cyclase Contributes to Cardiac Dysfunction Induced by Chronic Doxorubicin Treatment in Mice. <i>Antioxidants and Redox Signaling</i> , 2017 , 26, 153-164	8.4	11
84	Targeting the Cytoskeleton with Plant-Bioactive Compounds in Cancer Therapy. 2017 ,		2
83	Comparision of doxorubicin-induced cardiotoxicity in the ICR mice of different sources. <i>Laboratory Animal Research</i> , 2017 , 33, 165-170	1.9	17
82	Phosphodiesterase type 5 and cancers: progress and challenges. <i>Oncotarget</i> , 2017 , 8, 99179-99202	3.3	28
81	Macrophage migration inhibitory factor rescues mesenchymal stem cells from doxorubicin-induced senescence though the PI3K-Akt signaling pathway. <i>International Journal of Molecular Medicine</i> , 2018 , 41, 1127-1137	4.4	14
80	Chemotherapy-induced cardiotoxicity: new insights into mechanisms, monitoring, and prevention. <i>Journal of Cardiovascular Medicine</i> , 2018 , 19, 315-323	1.9	19
79	Targeting phosphodiesterase 5 as a therapeutic option against myocardial ischaemia/reperfusion injury and for treating heart failure. <i>British Journal of Pharmacology</i> , 2018 , 175, 223-231	8.6	21
78	CTRP3 protected against doxorubicin-induced cardiac dysfunction, inflammation and cell death via activation of Sirt1. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 114, 38-47	5.8	84

77	Randomized study of doxorubicin-based chemotherapy regimens, with and without sildenafil, with analysis of intermediate cardiac markers. <i>Cardio-Oncology</i> , 2018 , 4,	2.8	9
76	cGMP at the centre of attention: emerging strategies for activating the cardioprotective PKG pathway. <i>Basic Research in Cardiology</i> , 2018 , 113, 24	11.8	42
75	Ischaemic Preconditioning Protects Cardiomyocytes from Anthracycline-Induced Toxicity via the PI3K Pathway. <i>Cardiovascular Drugs and Therapy</i> , 2018 , 32, 245-253	3.9	12
74	Protective effects of magnesium sulfate against doxorubicin induced cardiotoxicity in rats. <i>Life Sciences</i> , 2018 , 207, 436-441	6.8	15
73	A Review on the Effect of Traditional Chinese Medicine Against Anthracycline-Induced Cardiac Toxicity. <i>Frontiers in Pharmacology</i> , 2018 , 9, 444	5.6	16
72	Antineoplastic Drug-Induced Cardiotoxicity: A Redox Perspective. Frontiers in Physiology, 2018, 9, 167	4.6	74
71	Roles of PDE1 in Pathological Cardiac Remodeling and Dysfunction. <i>Journal of Cardiovascular Development and Disease</i> , 2018 , 5,	4.2	9
70	Sildenafil ameliorates EAE by decreasing apoptosis in the spinal cord of C57BL/6 mice. <i>Journal of Neuroimmunology</i> , 2018 , 321, 125-137	3.5	17
69	Engineered collagen-binding serum albumin as a drug conjugate carrier for cancer therapy. <i>Science Advances</i> , 2019 , 5, eaaw6081	14.3	35
68	Boswellic acids ameliorate doxorubicin-induced nephrotoxicity in mice: a focus on antioxidant and antiapoptotic effects. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2019 , 6, 10-24	1.3	4
67	Advantages of prophylactic versus conventionally scheduled heart failure therapy in an experimental model of doxorubicin-induced cardiomyopathy. <i>Journal of Translational Medicine</i> , 2019 , 17, 229	8.5	10
66	Cross-talk between ER stress and mitochondrial pathway mediated adriamycin-induced testicular toxicity and DA-9401 modulate adriamycin-induced apoptosis in Sprague-Dawley rats. <i>Cancer Cell International</i> , 2019 , 19, 85	6.4	24
65	Cardiovascular Effects of Chemotherapy Used in the Treatment of Breast Cancers. <i>Cardiology in Review</i> , 2019 , 27, 87-96	3.2	6
64	Tadalafil: 15 yearsPjourney in male erectile dysfunction and beyond. <i>Drug Development Research</i> , 2018 , 80, 683	5.1	8
63	N-Acetylcysteine potentiates the haemodynamic-improving effect of sildenafil in a rabbit model of acute pulmonary thromboembolism via the p38 MAPK pathway. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019 , 46, 163-172	3	8
62	From Molecular Mechanisms to Clinical Management of Antineoplastic Drug-Induced Cardiovascular Toxicity: A Translational Overview. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 2110-215	3 ^{8.4}	73
61	FNDC5 alleviates oxidative stress and cardiomyocyte apoptosis in doxorubicin-induced cardiotoxicity via activating AKT. <i>Cell Death and Differentiation</i> , 2020 , 27, 540-555	12.7	135
60	Established and emerging therapeutic uses of PDE type 5 inhibitors in cardiovascular disease. British Journal of Pharmacology, 2020 , 177, 5467-5488	8.6	34

59	Effect of ghrelin on VEGF-B and connexin-43 in a rat model of doxorubicin-induced cardiomyopathy. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2019 , 31,	1.6	4
58	Maternal administration of tadalafil improves fetal ventricular systolic function in a Hey2 knockout mouse model of fetal heart failure. <i>International Journal of Cardiology</i> , 2020 , 302, 110-116	3.2	
57	cGMP Signaling and Modulation in Heart Failure. Journal of Cardiovascular Pharmacology, 2020 , 75, 385-3	598	11
56	Effect of DC. on Apoptosis, Inflammation and Oxidative Stress Induced by Doxorubicin in Wistar Rats. <i>Plants</i> , 2020 , 9,	4.5	2
55	Bisoprolol and linagliptin ameliorated electrical and mechanical isometric myocardial contractions in doxorubicin-induced cardiomyopathy in rats. <i>Pharmacological Reports</i> , 2020 , 72, 867-876	3.9	2
54	PDE5 Inhibitors in Type 2 Diabetes Cardiovascular Complications. <i>Endocrines</i> , 2020 , 1, 90-101	0.8	2
53	Pulmonary vascular resistance as a potential marker of reactive pulmonary hypertension reduction following sildenafil therapy in patients disqualified from orthotopic heart transplantation. Advances in Medical Sciences, 2020, 65, 298-303	2.8	
52	Self-Maintenance of Cardiac Resident Reparative Macrophages Attenuates Doxorubicin-Induced Cardiomyopathy Through the SR-A1-c-Myc Axis. <i>Circulation Research</i> , 2020 , 127, 610-627	15.7	10
51	PDE5 inhibitor sildenafil attenuates cardiac microRNA 214 upregulation and pro-apoptotic signaling after chronic alcohol ingestion in mice. <i>Molecular and Cellular Biochemistry</i> , 2020 , 471, 189-201	4.2	1
50	Cardiovascular risks and toxicity - The Achilles heel of androgen deprivation therapy in prostate cancer patients. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020 , 1874, 188383	11.2	9
49	Estrogen Receptor-[Non-Nuclear Signaling Confers Cardioprotection and [Is Essential to cGMP-PDE5 Inhibition Efficacy. <i>JACC Basic To Translational Science</i> , 2020 , 5, 282-295	8.7	11
48	Osteocrin attenuates inflammation, oxidative stress, apoptosis, and cardiac dysfunction in doxorubicin-induced cardiotoxicity. <i>Clinical and Translational Medicine</i> , 2020 , 10, e124	5.7	59
47	The Noncanonical Pathway for In Vivo Nitric Oxide Generation: The Nitrate-Nitrite-Nitric Oxide Pathway. <i>Pharmacological Reviews</i> , 2020 , 72, 692-766	22.5	53
46	Regulatory Actions of Estrogen Receptor Signaling in the Cardiovascular System. <i>Frontiers in Endocrinology</i> , 2019 , 10, 909	5.7	17
45	Antioxidant Approach as a Cardioprotective Strategy in Chemotherapy-Induced Cardiotoxicity. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 572-588	8.4	4
44	Protective effects of gallic acid on doxorubicin-induced cardiotoxicity; an experimantal study. <i>Archives of Physiology and Biochemistry</i> , 2021 , 127, 258-265	2.2	7
43	An update of cyclic nucleotide phosphodiesterase as a target for cardiac diseases. <i>Expert Opinion on Drug Discovery</i> , 2021 , 16, 183-196	6.2	3
42	Myocardial Impact of NHE1 Regulation by Sildenafil. Frontiers in Cardiovascular Medicine, 2021, 8, 617519	5 .4	О

41	Protection against Doxorubicin-Induced Cardiotoxicity through Modulating iNOS/ARG 2 Balance by Electroacupuncture at PC6. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 6628957	6.7	3
40	Sildenafil in Combination Therapy against Cancer: A Literature Review. <i>Current Medicinal Chemistry</i> , 2021 , 28, 2248-2259	4.3	3
39	EPR-Effect Enhancers Strongly Potentiate Tumor-Targeted Delivery of Nanomedicines to Advanced Cancers: Further Extension to Enhancement of the Therapeutic Effect. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	7
38	Doxorubicin-induced cardiotoxicity: An update on the molecular mechanism and novel therapeutic strategies for effective management. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 139, 111708	7.5	45
37	Rationale and design of the PRevention of cArdiac Dysfunction during Adjuvant breast cancer therapy (PRADA II) trial: a randomized, placebo-controlled, multicenter trial. <i>Cardio-Oncology</i> , 2021 , 7, 33	2.8	4
36	Sex Differences and Regulatory Actions of Estrogen in Cardiovascular System. <i>Frontiers in Physiology</i> , 2021 , 12, 738218	4.6	3
35	Serine mutations in overexpressed Hsp27 abrogate the protection against doxorubicin-induced p53-dependent cardiac apoptosis in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H963-H975	5.2	1
34	Cyclic nucleotide phosphodiesterase inhibition as a potential therapeutic target in renal ischemia reperfusion injury. <i>Life Sciences</i> , 2021 , 282, 119843	6.8	2
33	[Phosphodiesterase-5 inhibitors for the treatment of pulmonary arterial hypertension]. <i>Archivos De Cardiologia De Mexico</i> , 2015 , 85, 215-24	0.2	6
32	PDE5 inhibitor efficacy is estrogen dependent in female heart disease. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2464-71	15.9	49
32		15.9 3.7	49 25
	Decreased autophagy in rat heart induced by anti-II-adrenergic receptor autoantibodies		
31	Decreased autophagy in rat heart induced by anti-11-adrenergic receptor autoantibodies contributes to the decline in mitochondrial membrane potential. <i>PLoS ONE</i> , 2013 , 8, e81296 Disruption of ROCK1 gene restores autophagic flux and mitigates doxorubicin-induced	3.7	25
31	Investigation, 2014, 124, 2464-71 Decreased autophagy in rat heart induced by anti-11-adrenergic receptor autoantibodies contributes to the decline in mitochondrial membrane potential. PLoS ONE, 2013, 8, e81296 Disruption of ROCK1 gene restores autophagic flux and mitigates doxorubicin-induced cardiotoxicity. Oncotarget, 2018, 9, 12995-13008 A Review on the Potential Benefits of Phosphodiesterase Inhibitors in Various Models of Toxicities	3·7 3·3	25 17
31 30 29	Decreased autophagy in rat heart induced by anti-II-adrenergic receptor autoantibodies contributes to the decline in mitochondrial membrane potential. <i>PLoS ONE</i> , 2013 , 8, e81296 Disruption of ROCK1 gene restores autophagic flux and mitigates doxorubicin-induced cardiotoxicity. <i>Oncotarget</i> , 2018 , 9, 12995-13008 A Review on the Potential Benefits of Phosphodiesterase Inhibitors in Various Models of Toxicities in Animals. <i>Asian Journal of Animal and Veterinary Advances</i> , 2012 , 7, 210-224 Visnagin-a new protectant against doxorubicin cardiotoxicity? Inhibition of mitochondrial malate	3·7 3·3 0.1	25 17
31 30 29 28	Decreased autophagy in rat heart induced by anti-fl-adrenergic receptor autoantibodies contributes to the decline in mitochondrial membrane potential. <i>PLoS ONE</i> , 2013 , 8, e81296 Disruption of ROCK1 gene restores autophagic flux and mitigates doxorubicin-induced cardiotoxicity. <i>Oncotarget</i> , 2018 , 9, 12995-13008 A Review on the Potential Benefits of Phosphodiesterase Inhibitors in Various Models of Toxicities in Animals. <i>Asian Journal of Animal and Veterinary Advances</i> , 2012 , 7, 210-224 Visnagin-a new protectant against doxorubicin cardiotoxicity? Inhibition of mitochondrial malate dehydrogenase 2 (MDH2) and beyond. <i>Annals of Translational Medicine</i> , 2016 , 4, 65 An experimental approach to study the function of mitochondria in cardiomyopathy. <i>BMB Reports</i> ,	3.7 3.3 0.1 3.2	25 17 3
31 30 29 28 27	Decreased autophagy in rat heart induced by anti-fl-adrenergic receptor autoantibodies contributes to the decline in mitochondrial membrane potential. <i>PLoS ONE</i> , 2013 , 8, e81296 Disruption of ROCK1 gene restores autophagic flux and mitigates doxorubicin-induced cardiotoxicity. <i>Oncotarget</i> , 2018 , 9, 12995-13008 A Review on the Potential Benefits of Phosphodiesterase Inhibitors in Various Models of Toxicities in Animals. <i>Asian Journal of Animal and Veterinary Advances</i> , 2012 , 7, 210-224 Visnagin-a new protectant against doxorubicin cardiotoxicity? Inhibition of mitochondrial malate dehydrogenase 2 (MDH2) and beyond. <i>Annals of Translational Medicine</i> , 2016 , 4, 65 An experimental approach to study the function of mitochondria in cardiomyopathy. <i>BMB Reports</i> , 2015 , 48, 541-8 Cardiac Effects of Phosphodiesterase-5 Inhibitors: Efficacy and Safety. <i>Cardiovascular Drugs and</i>	3.7 3.3 0.1 3.2 5.5	25 17 3 4 3

23 Phosphodiesterase-5 Inhibitors in Cardioprotection. **2013**, 439-458

22	PDE-5 Inhibitors in Protection of Diabetic Heart. 2014 , 323-338		
21	Treatment Effects and Long-Term Management of Sarcoma Patients and Survivors. 2017, 383-411		
20	Nitric oxide application for myocardial protection in coronary artery disease. Russian Journal of Anesthesiology and Reanimatology /Anesteziologiya I Reanimatologiya, 2019 , 34	0.4	
19	Attenuation of Doxorubicin-induced Cardiotoxicity by Tadalafil: A Long Acting Phosphodiesterase-5 Inhibitor. <i>Molecular and Cellular Pharmacology</i> , 2010 , 2, 173-178		17
18	Emerging new uses of phosphodiesterase-5 inhibitors in cardiovascular diseases. <i>Experimental and Clinical Cardiology</i> , 2011 , 16, e30-5		39
17	Anthracycline-induced cardiomyopathy in a dog treated with epirubicin. <i>Canadian Veterinary Journal</i> , 2015 , 56, 571-4	0.5	5
16	Icariin Protects H9c2 Rat Cardiomyoblasts from Doxorubicin-Induced Cardiotoxicity: Role of Caveolin-1 Upregulation and Enhanced Autophagic Response. <i>Nutrients</i> , 2021 , 13,	6.7	O
15	Doxorubicin-Induced Cardiotoxicity: An Overview on Pre-clinical Therapeutic Approaches <i>Cardiovascular Toxicology</i> , 2022 , 22, 292	3.4	8
14	Cardiomyocyte Atrophy, an Underestimated Contributor in Doxorubicin-Induced Cardiotoxicity <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 812578	5.4	2
13	Sildenafil for Primary Prevention of Anthracycline-Induced Cardiac Toxicity: A Phase I/II Randomized Clinical Trial, SILDAT-TAHA6 Trial <i>Cardiology Research and Practice</i> , 2022 , 2022, 5681510	1.9	
12	Saikosaponin D alleviates DOX-induced cardiac injury in vivo and in vitro <i>Journal of Cardiovascular Pharmacology</i> , 2021 , 79,	3.1	1
11	Mfn2-mediated mitochondrial fusion alleviates doxorubicin-induced cardiotoxicity with enhancing its anticancer activity through metabolic switch <i>Redox Biology</i> , 2022 , 52, 102311	11.3	1
10	Cardiotoxicity of Anticancer Drugs: Molecular Mechanisms and Strategies for Cardioprotection <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 847012	5.4	O
9	Novel Therapeutics for Anthracycline Induced Cardiotoxicity <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 863314	5.4	1
8	Saponins and their derivatives: potential candidates to alleviate anthracycline-induced cardiotoxicity and multidrug resistance. <i>Pharmacological Research</i> , 2022 , 106352	10.2	O
7	In vivo exposure to a new 2-cyano-2- p -nitrophenyl- N -benzylthioamide decreases doxorubicin-triggered structural damages in the mature testis.		0
6	Investigation of doxorubicin combined with ciprofloxacin-induced cardiotoxicity: from molecular mechanism to fundamental heart function.		Ο

5	GSK2795039 prevents RIP1-RIP3-MLKL-mediated cardiomyocyte necroptosis in doxorubicin-induced heart failure through inhibition of NADPH oxidase-derived oxidative stress. 2023 , 463, 116412	0
4	Changes in Left Ventricular Ejection Fraction and Oxidative Stress after Phosphodiesterase Type-5 Inhibitor Treatment in an Experimental Model of Retrograde Rat Perfusion. 2023 , 59, 458	O
3	Nitric Oxide-cGMP-PKG Signaling in the Cardioprotective Effects of Phosphodiesterase 5 Inhibitors. 2023 , 111-126	0
2	Androgen-deprivation therapy with leuprolide increases abdominal adiposity without causing cardiac dysfunction in middle-aged male mice: effect of sildenafil. 2023 , 324, R589-R600	1
1	Nitric Oxide in Cardiac Surgery: A Review Article. 2023 , 11, 1085	О