

# CITATION REPORT

List of articles citing

**Resveratrol attenuates mitochondrial oxidative stress in coronary arterial endothelial cells**

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#	Paper	IF	Citations
282	Early apoptotic vascular signaling is determined by Sirt1 through nuclear shuttling, forkhead trafficking, bad, and mitochondrial caspase activation. <b>2010</b> , 7, 95-112		83
281	Resveratrol attenuates azidothymidine-induced cardiotoxicity by decreasing mitochondrial reactive oxygen species generation in human cardiomyocytes. <b>2011</b> , 4, 151-5		30
280	Mitochondria and aging in the vascular system. <b>2010</b> , 88, 1021-7		68
279	Effect of resveratrol on endothelial cell function: Molecular mechanisms. <b>2010</b> , 36, 342-9		56
278	Protein deacetylation by sirtuins: delineating a post-translational regulatory program responsive to nutrient and redox stressors. <b>2010</b> , 67, 3073-87		47
277	Detection and manipulation of mitochondrial reactive oxygen species in mammalian cells. <b>2010</b> , 1797, 1034-44		110
276	Complex I disorders: causes, mechanisms, and development of treatment strategies at the cellular level. <b>2010</b> , 16, 175-82		40
275	Cigarette smoke-mediated oxidative stress, shear stress, and endothelial dysfunction: role of VEGFR2. <b>2010</b> , 1203, 66-72		38
274	Resveratrol attenuates radiation damage in <i>Caenorhabditis elegans</i> by preventing oxidative stress. <b>2010</b> , 51, 473-9		43
273	trans-Resveratrol as a neuroprotectant. <i>Molecules</i> , <b>2010</b> , 15, 1196-212	4.8	35
272	Vasoprotective effects of life span-extending peripubertal GH replacement in Lewis dwarf rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2010</b> , 65, 1145-56	6.4	40
271	Resveratrol confers endothelial protection via activation of the antioxidant transcription factor Nrf2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H18-24	5.2	387
270	Endothelial mitochondria and heart disease. <b>2010</b> , 88, 58-66		76
269	Endothelial Nrf2 activation: a new target for resveratrol?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H10-2	5.2	32
268	Cell responses to oxidative stressors. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 1387-95	3.3	51
267	A toast to your health, one drink at a time. <b>2010</b> , 92, 1-2		6
266	A wild blueberry-enriched diet ( <i>Vaccinium angustifolium</i> ) improves vascular tone in the adult spontaneously hypertensive rat. <b>2010</b> , 58, 11600-5		28

265	Resveratrol modulates adipokine expression and improves insulin sensitivity in adipocytes: Relative to inhibition of inflammatory responses. <b>2010</b> , 92, 789-96		86
264	Sirtuin activators: designing molecules to extend life span. <b>2010</b> , 1799, 740-9		61
263	SIRT1 regulates oxidant- and cigarette smoke-induced eNOS acetylation in endothelial cells: Role of resveratrol. <b>2010</b> , 393, 66-72		146
262	Dietary polyphenols: focus on resveratrol, a promising agent in the prevention of cardiovascular diseases and control of glucose homeostasis. <b>2010</b> , 20, 618-25		91
261	Regulation of SIRT1 in cellular functions: role of polyphenols. <b>2010</b> , 501, 79-90		477
260	Induction of endothelial nitric oxide synthase, SIRT1, and catalase by statins inhibits endothelial senescence through the Akt pathway. <b>2010</b> , 30, 2205-11		155
259	Age-associated vascular oxidative stress, Nrf2 dysfunction, and NF- $\kappa$ B activation in the nonhuman primate <i>Macaca mulatta</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2011</b> , 66, 866-75	6.4	150
258	Sirt1 $\beta$ systemic protective roles and its promise as a target in antiaging medicine. <b>2011</b> , 157, 276-84		36
257	Caloric Restriction and Oxidative Stress. <b>2011</b> , 83-102		
256	Resveratrol prevents the wasting disorders of mechanical unloading by acting as a physical exercise mimetic in the rat. <b>2011</b> , 25, 3646-60		140
255	Calorie restriction and resveratrol in cardiovascular health and disease. <b>2011</b> , 1812, 1477-89		119
254	Polyphenols and human health: a prospectus. <b>2011</b> , 51, 524-46		241
253	Resveratrol prevents the development of abdominal aortic aneurysm through attenuation of inflammation, oxidative stress, and neovascularization. <b>2011</b> , 217, 350-7		74
252	Anti-inflammatory effects of resveratrol: possible role in prevention of age-related cardiovascular disease. <b>2011</b> , 1215, 117-22		124
251	Increased expression of miR-34a and miR-93 in rat liver during aging, and their impact on the expression of Mgst1 and Sirt1. <b>2011</b> , 132, 75-85		162
250	Ischemic insult induced apoptotic changes in PC12 cells: protection by trans resveratrol. <b>2011</b> , 666, 5-11		45
249	The controversial links among calorie restriction, SIRT1, and resveratrol. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 250-6	7.8	58
248	Vascular oxidative stress in aging: a homeostatic failure due to dysregulation of NRF2-mediated antioxidant response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H363-72	5.2	178

247	The control of mitochondrial succinate-dependent H <sub>2</sub> O <sub>2</sub> production. <b>2011</b> , 43, 359-66		7
246	Resveratrol shows vasoprotective effect reducing oxidative stress without affecting metabolic disturbances in insulin-dependent diabetes of rabbits. <b>2011</b> , 25, 119-31		35
245	Resveratrol confers endothelial protection in insulin-dependent diabetes mellitus: editorial to: "Resveratrol shows vasoprotective effect reducing oxidative stress without affecting metabolic disturbances in insulin-dependent diabetes of rabbits" by F. Akar et al. <b>2011</b> , 25, 111-3		7
244	Resveratrol retards progression of diabetic nephropathy through modulations of oxidative stress, proinflammatory cytokines, and AMP-activated protein kinase. <b>2011</b> , 18, 47		95
243	Erythropoietin employs cell longevity pathways of SIRT1 to foster endothelial vascular integrity during oxidant stress. <b>2011</b> , 8, 220-35		86
242	Long-term supplementation with resveratrol alleviates oxidative stress but does not attenuate sarcopenia in aged mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2011</b> , 66, 751-64	6.4	99
241	Effect of resveratrol derivative BTM-0512 on high glucose-induced dysfunction of endothelial cells: role of SIRT1. <b>2011</b> , 89, 713-22		14
240	Cellular senescence, vascular disease, and aging: Part 1 of a 2-part review. <b>2011</b> , 123, 1650-60		128
239	Mitochondrial protection by resveratrol. <b>2011</b> , 39, 128-32		82
238	Hydrogen sulfide replacement therapy protects the vascular endothelium in hyperglycemia by preserving mitochondrial function. <b>2011</b> , 108, 13829-34		223
237	Effects of some common food constituents on cardiovascular disease. <b>2011</b> , 2011, 397136		16
236	Suppressing LPS-induced early signal transduction in macrophages by a polyphenol degradation product: a critical role of MKP-1. <b>2011</b> , 89, 105-11		36
235	Mthfr deficiency induces endothelial progenitor cell senescence via uncoupling of eNOS and downregulation of SIRT1. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H745-53	5.2	42
234	Adaptive induction of NF-E2-related factor-2-driven antioxidant genes in endothelial cells in response to hyperglycemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H1133-40	5.2	125
233	Chronic resveratrol treatment restores vascular responsiveness of cerebral arterioles in type 1 diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H696-703	5.2	51
232	Polydatin, a natural polyphenol, protects arterial smooth muscle cells against mitochondrial dysfunction and lysosomal destabilization following hemorrhagic shock. <b>2012</b> , 302, R805-14		34
231	Resolution of mitochondrial oxidative stress rescues coronary collateral growth in Zucker obese fatty rats. <b>2012</b> , 32, 325-34		53
230	Disruption of Nrf2 signaling impairs angiogenic capacity of endothelial cells: implications for microvascular aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2012</b> , 67, 821-9	6.4	104

229	Resveratrol inhibits reproductive toxicity induced by deoxynivalenol. <b>2012</b> , 47, 1329-34		29
228	Age-associated proinflammatory secretory phenotype in vascular smooth muscle cells from the non-human primate <i>Macaca mulatta</i> : reversal by resveratrol treatment. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2012</b> , 67, 811-20	6.4	108
227	Resveratrol improves myocardial ischemia and ischemic heart failure in mice by antagonizing the detrimental effects of fractalkine*. <b>2012</b> , 40, 3026-33		44
226	Testing the oxidative stress hypothesis of aging in primate fibroblasts: is there a correlation between species longevity and cellular ROS production?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2012</b> , 67, 841-52	6.4	46
225	Cardiovascular effects and molecular targets of resveratrol. <b>2012</b> , 26, 102-10		224
224	Pharmacological targeting of mitochondrial complex I deficiency: the cellular level and beyond. <b>2012</b> , 12, 57-65		33
223	SIRT1 is required for AMPK activation and the beneficial effects of resveratrol on mitochondrial function. <i>Cell Metabolism</i> , <b>2012</b> , 15, 675-90	24.6	1032
222	Proteomics analysis of human umbilical vein endothelial cells treated with resveratrol. <b>2012</b> , 43, 1671-8		7
221	ROS in aging <i>Caenorhabditis elegans</i> : damage or signaling?. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2012</b> , 2012, 608478	6.7	67
220	Ischemic Neurodegeneration in Stroke-Prone Spontaneously Hypertensive Rats and Its Prevention with Antioxidants Such as Polyphenols. <b>2012</b> ,		
219	Endothelial mitochondria--less respiration, more integration. <b>2012</b> , 464, 63-76		74
218	Enhanced Th17 differentiation and aggravated arthritis in IEX-1-deficient mice by mitochondrial reactive oxygen species-mediated signaling. <b>2012</b> , 189, 1639-47		55
217	Are sirtuins viable targets for improving healthspan and lifespan?. <b>2012</b> , 11, 443-61		300
216	Resveratrol and diabetic cardiac function: focus on recent in vitro and in vivo studies. <b>2012</b> , 44, 281-96		62
215	Mitochondria and cardiovascular aging. <b>2012</b> , 110, 1109-24		275
214	SIRT1 modulates MAPK pathways in ischemic-reperfused cardiomyocytes. <b>2012</b> , 69, 2245-60		106
213	Mitochondrial nutrients stimulate performance and mitochondrial biogenesis in exhaustively exercised rats. <b>2012</b> , 22, 764-75		25
212	Resveratrol up-regulates SIRT1 and inhibits cellular oxidative stress in the diabetic milieu: mechanistic insights. <b>2012</b> , 23, 699-705		84

211	Wild blueberry ( <i>V. angustifolium</i> )-enriched diets alter aortic glycosaminoglycan profile in the spontaneously hypertensive rat. <b>2012</b> , 23, 961-5		13
210	Pharmacological targets in the renal peritubular microenvironment: implications for therapy for sepsis-induced acute kidney injury. <b>2012</b> , 134, 139-55		44
209	SIRT1 as a therapeutic target in inflammaging of the pulmonary disease. <b>2012</b> , 54 Suppl, S20-8		82
208	Cellular and molecular effects of resveratrol in health and disease. <b>2012</b> , 113, 752-9		138
207	Targeting mitochondrial reactive oxygen species as novel therapy for inflammatory diseases and cancers. <b>2013</b> , 6, 19		446
206	Antioxidant effects of resveratrol in cardiovascular, cerebral and metabolic diseases. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 61, 215-26	4-7	131
205	Aging, Nutrition and Lifestyle. <b>2013</b> , 191-217		
204	The endothelium abridges insulin resistance to premature aging. <b>2013</b> , 2, e000262		20
203	Resveratrol: botanical origin, pharmacological activity and applications. <b>2013</b> , 11, 1-15		21
202	trans-Resveratrol protects ischemic PC12 Cells by inhibiting the hypoxia associated transcription factors and increasing the levels of antioxidant defense enzymes. <b>2013</b> , 4, 285-94		47
201	Role of mitochondrial dysfunction and altered autophagy in cardiovascular aging and disease: from mechanisms to therapeutics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H459-76	5.2	130
200	Beneficial effects of polyphenols on cardiovascular disease. <i>Pharmacological Research</i> , <b>2013</b> , 68, 125-31	10.2	183
199	Aging exacerbates microvascular endothelial damage induced by circulating factors present in the serum of septic patients. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2013</b> , 68, 652-60	6.4	28
198	Nuclear factor (erythroid-derived 2)-like 2 (NFE2L2) is a novel therapeutic target for diabetic complications. <b>2013</b> , 41, 13-9		23
197	Sirtuin 1 is upregulated in young obese Zucker rat cerebral arteries. <b>2013</b> , 721, 43-8		8
196	Mitochondrial dysfunction and the inflammatory response. <b>2013</b> , 13, 106-18		273
195	Cellular and Molecular Mechanisms of Resveratrol and Its Derivatives. <b>2013</b> , 27-52		
194	Cross-talk between SIRT1 and p66Shc in vascular diseases. <b>2013</b> , 23, 237-41		41

193	Neuroprotective properties and mechanisms of resveratrol in in vitro and in vivo experimental cerebral stroke models. <b>2013</b> , 4, 1151-62		121
192	Regulation of SIRT1 by oxidative stress-responsive miRNAs and a systematic approach to identify its role in the endothelium. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1522-38	8.4	65
191	Resveratrol protects vascular endothelial cells from high glucose-induced apoptosis through inhibition of NADPH oxidase activation-driven oxidative stress. <b>2013</b> , 19, 675-81		74
190	Mitochondrial metabolic reprogramming induced by calorie restriction. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 310-20	8.4	76
189	Depolarization of mitochondria in endothelial cells promotes cerebral artery vasodilation by activation of nitric oxide synthase. <b>2013</b> , 33, 752-9		57
188	Ionizing radiation promotes the acquisition of a senescence-associated secretory phenotype and impairs angiogenic capacity in cerebrovascular endothelial cells: role of increased DNA damage and decreased DNA repair capacity in microvascular radiosensitivity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2013</b> , 68, 1113-57	6.4	83
187	The NO/ONOO-cycle as the central cause of heart failure. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 22274-330	6.3	30
186	Mitochondria and endothelial function. <b>2013</b> , 112, 1171-88		285
185	Circulating factors induced by caloric restriction in the nonhuman primate <i>Macaca mulatta</i> activate angiogenic processes in endothelial cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2013</b> , 68, 235-49	6.4	47
184	Resveratrol, an activator of SIRT1, restores erectile function in streptozotocin-induced diabetic rats. <b>2013</b> , 15, 646-51		55
183	Oxidative stress and cardiovascular health: therapeutic potential of polyphenols. <b>2013</b> , 91, 198-212		34
182	Vascular aging: chronic oxidative stress and impairment of redox signaling-consequences for vascular homeostasis and disease. <b>2013</b> , 45, 17-36		109
181	Changes in expression of manganese superoxide dismutase, copper and zinc superoxide dismutase and catalase in <i>Brachionus calyciflorus</i> during the aging process. <i>PLoS ONE</i> , <b>2013</b> , 8, e57186	3.7	18
180	Resveratrol protects C6 astrocyte cell line against hydrogen peroxide-induced oxidative stress through heme oxygenase 1. <i>PLoS ONE</i> , <b>2013</b> , 8, e64372	3.7	94
179	Experimental studies of the molecular pathways regulated by exercise and resveratrol in heart, skeletal muscle and the vasculature. <i>Molecules</i> , <b>2014</b> , 19, 14919-47	4.8	20
178	Resveratrol and endothelial nitric oxide. <i>Molecules</i> , <b>2014</b> , 19, 16102-21	4.8	87
177	Caloric restriction confers persistent anti-oxidative, pro-angiogenic, and anti-inflammatory effects and promotes anti-aging miRNA expression profile in cerebrovascular endothelial cells of aged rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H292-306	5.2	104
176	Impaired vascular endothelial growth factor A and inflammation in patients with peripheral artery disease. <b>2014</b> , 65, 683-90		34

175	Mitochondria, endothelial cell function, and vascular diseases. <b>2014</b> , 5, 175		203
174	Greater endothelial apoptosis and oxidative stress in patients with peripheral artery disease. <b>2014</b> , 2014, 160534		26
173	Multiple phytoestrogens inhibit cell growth and confer cytoprotection by inducing manganese superoxide dismutase expression. <b>2014</b> , 28, 120-31		14
172	The effects of bioactive compounds from plant foods on mitochondrial function: a focus on apoptotic mechanisms. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 68, 154-82	4.7	153
171	SIRT1 regulates MAPK pathways in vitiligo skin: insight into the molecular pathways of cell survival. <b>2014</b> , 18, 514-29		41
170	Protection by Polyphenols Against Mitochondrial Damage and Cytotoxicity. <b>2014</b> , 731-746		2
169	Modulation of endogenous antioxidant activity by resveratrol and exercise in mouse liver is age dependent. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 398-409	6.4	38
168	The SIRT1 activator SRT1720 reverses vascular endothelial dysfunction, excessive superoxide production, and inflammation with aging in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H1754-63	5.2	119
167	Protective effect of resveratrol against pressure overload-induced heart failure. <b>2014</b> , 2, 218-29		46
166	Resveratrol protects against experimental induced Reye's syndrome by prohibition of oxidative stress and restoration of complex I activity. <b>2014</b> , 92, 780-8		1
165	Resveratrol and cardiovascular health--promising therapeutic or hopeless illusion?. <i>Pharmacological Research</i> , <b>2014</b> , 90, 88-115	10.2	60
164	AMP-activated protein kinase mediates the antioxidant effects of resveratrol through regulation of the transcription factor FoxO1. <b>2014</b> , 281, 4421-38		94
163	Aging exacerbates obesity-induced cerebrovascular rarefaction, neurovascular uncoupling, and cognitive decline in mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 1339-52	6.4	101
162	SIRT1 in cardiovascular aging. <b>2014</b> , 437, 106-14		54
161	Pharmacological approaches to coronary microvascular dysfunction. <b>2014</b> , 144, 283-302		20
160	The effect of small molecules on nuclear-encoded translation diseases. <b>2014</b> , 100, 184-91		19
159	The stilbenes resveratrol, pterostilbene and piceid affect growth and stress resistance in mammalian cells via a mechanism requiring estrogen receptor beta and the induction of Mn-superoxide dismutase. <b>2014</b> , 98, 164-73		26
158	Resveratrol treatment rescues neurovascular coupling in aged mice: role of improved cerebrovascular endothelial function and downregulation of NADPH oxidase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H299-308	5.2	124



157	Genetically encoded fluorescent redox sensors. <b>2014</b> , 1840, 745-56		138
156	Resveratrol attenuates hypoxia/reoxygenation-induced Ca <sup>2+</sup> overload by inhibiting the Wnt5a/Frizzled-2 pathway in rat H9c2 cells. <b>2014</b> , 10, 2542-8		15
155	Cardiovascular ageing. <b>2015</b> , 203-245		
154	Natural Compounds Modulating Mitochondrial Functions. <b>2015</b> , 2015, 527209		77
153	[Genetically Encoded Fluorescent Redox Sensors]. <b>2015</b> , 41, 259-74		4
152	Protective efficacy of carnosic acid against hydrogen peroxide induced oxidative injury in HepG2 cells through the SIRT1 pathway. <b>2015</b> , 93, 625-31		12
151	Barley beta-glucan promotes MnSOD expression and enhances angiogenesis under oxidative microenvironment. <b>2015</b> , 19, 227-38		28
150	Purinergic glio-endothelial coupling during neuronal activity: role of P2Y1 receptors and eNOS in functional hyperemia in the mouse somatosensory cortex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H1837-45	5.2	54
149	Resveratrol prevents doxorubicin-induced cardiotoxicity in H9c2 cells through the inhibition of endoplasmic reticulum stress and the activation of the Sirt1 pathway. <b>2015</b> , 36, 873-80		60
148	Metabolic effects of resveratrol: addressing the controversies. <b>2015</b> , 72, 1473-88		75
147	Age-related decline of autocrine pituitary adenylate cyclase-activating polypeptide impairs angiogenic capacity of rat cerebrovascular endothelial cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 665-74	6.4	32
146	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With Exercise Performance and Microcirculation in Patients With Symptomatic Peripheral Artery Disease. <b>2015</b> , 66, 867-74		16
145	Effects of pterostilbene and resveratrol on brain and behavior. <b>2015</b> , 89, 227-33		52
144	Antioxidant potential of CORM-A1 and resveratrol during TNF- $\alpha$ -cycloheximide-induced oxidative stress and apoptosis in murine intestinal epithelial MODE-K cells. <b>2015</b> , 288, 161-78		31
143	Resveratrol increases glycolytic flux in <i>Saccharomyces cerevisiae</i> via a SNF1-dependent mechanism. <b>2015</b> , 47, 331-6		14
142	The renin-angiotensin system and its involvement in vascular disease. <b>2015</b> , 763, 3-14		72
141	Aging Exacerbates Pressure-Induced Mitochondrial Oxidative Stress in Mouse Cerebral Arteries. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 1355-9	6.4	47
140	Aging exacerbates hypertension-induced cerebral microhemorrhages in mice: role of resveratrol treatment in vasoprotection. <b>2015</b> , 14, 400-8		81

139	Gender and racial differences in endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. <b>2015</b> , 61, 1249-57		49
138	Resveratrol appears to protect against oxidative stress and steroidogenesis collapse in mice fed high-calorie and high-cholesterol diet. <b>2015</b> , 47, 59-65		18
137	Screening SIRT1 Activators from Medicinal Plants as Bioactive Compounds against Oxidative Damage in Mitochondrial Function. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 4206392	6.7	31
136	Antidiabetic Effects of Resveratrol: The Way Forward in Its Clinical Utility. <b>2016</b> , 2016, 9737483		53
135	Resveratrol Inhibition of Cellular Respiration: New Paradigm for an Old Mechanism. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 368	6.3	24
134	Dietary supplementation with shiikuwasha extract attenuates dexamethasone-induced skeletal muscle atrophy in aged rats. <b>2016</b> , 5, 816		5
133	Grape seed flavanols decrease blood pressure via Sirt-1 and confer a vasoprotective pattern in rats. <b>2016</b> , 24, 164-172		17
132	Pharmacological Strategies to Retard Cardiovascular Aging. <b>2016</b> , 118, 1626-42		43
131	The effects of resveratrol on aging vessels. <b>2016</b> , 85, 41-47		25
130	Resveratrol and exercise. <b>2016</b> , 5, 525-530		28
129	Association between gait characteristics and endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. <b>2016</b> , 38, 64		24
128	Resveratrol and the mitochondria: From triggering the intrinsic apoptotic pathway to inducing mitochondrial biogenesis, a mechanistic view. <b>2016</b> , 1860, 727-45		122
127	Cardiac Aging. <b>2016</b> , 459-494		1
126	Resveratrol protects PC12 cells against OGD/ R-induced apoptosis via the mitochondrial-mediated signaling pathway. <b>2016</b> , 48, 342-53		39
125	Effect of Resveratrol-Based Nutritional Supplement on Choroidal Thickness: A Pilot Study. <b>2016</b> , 41, 1339-1345		6
124	Gestational diabetes induces alterations of sirtuins in fetal endothelial cells. <b>2016</b> , 79, 788-98		14
123	HyPer Family Probes: State of the Art. <i>Antioxidants and Redox Signaling</i> , <b>2016</b> , 24, 731-51	8.4	89
122	Antioxidant effects of resveratrol in the cardiovascular system. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 1633-1646	8.6	248

121	Caveolin1/protein arginine methyltransferase1/sirtuin1 axis as a potential target against endothelial dysfunction. <i>Pharmacological Research</i> , <b>2017</b> , 119, 1-11	10.2	28
120	IRF8 is the target of SIRT1 for the inflammation response in macrophages. <b>2017</b> , 23, 188-195		23
119	Prospects for therapeutic mitochondrial transplantation. <b>2017</b> , 35, 70-79		55
118	Postnatal resveratrol supplementation improves cardiovascular function in male and female intrauterine growth restricted offspring. <b>2017</b> , 5, e13109		14
117	Cardiovascular Protective Effects and Clinical Applications of Resveratrol. <b>2017</b> , 20, 323-334		62
116	Cerebral microhemorrhages: mechanisms, consequences, and prevention. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H1128-H1143	5.2	63
115	Functional vascular contributions to cognitive impairment and dementia: mechanisms and consequences of cerebral autoregulatory dysfunction, endothelial impairment, and neurovascular uncoupling in aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 312, H1-H20	5.2	240
114	Protective effects of resveratrol on mitochondrial function in the hippocampus improves inflammation-induced depressive-like behavior. <b>2017</b> , 182, 54-61		40
113	Effects of resveratrol on eNOS in the endothelium and the perivascular adipose tissue. <b>2017</b> , 1403, 132-141		26
112	Resveratrol prevents osteoporosis by upregulating FoxO1 transcriptional activity. <b>2018</b> , 41, 202-212		25
111	Oxidative stress contributes to hepatocyte growth factor-dependent pro-senescence activity of ovarian cancer cells. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 110, 270-279	7.8	18
110	Biochemical parameters of silver catfish ( <i>Rhamdia quelen</i> ) after transport with eugenol or essential oil of <i>Lippia alba</i> added to the water. <b>2017</b> , 77, 696-702		22
109	Epigenetic Regulatory Mechanisms Induced by Resveratrol. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	70
108	Rosmarinic Acid Alleviates the Endothelial Dysfunction Induced by Hydrogen Peroxide in Rat Aortic Rings via Activation of AMPK. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 7091904	6.7	12
107	The Preconditioning of Berberine Suppresses Hydrogen Peroxide-Induced Premature Senescence via Regulation of Sirtuin 1. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 2391820	6.7	18
106	Sirt1 Inhibits Oxidative Stress in Vascular Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 7543973	6.7	119
105	Regulation of Sirtuin-Mediated Protein Deacetylation by Cardioprotective Phytochemicals. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 1750306	6.7	42
104	Chlorogenic Acid Protects Against oxLDL-Induced Oxidative Damage and Mitochondrial Dysfunction by Modulating SIRT1 in Endothelial Cells. <b>2018</b> , 62, e1700928		41

103	Effects of Mitochondrial Transplantation on Bioenergetics, Cellular Incorporation, and Functional Recovery after Spinal Cord Injury. <b>2018</b> , 35, 1800-1818		71
102	Effect of resveratrol treatment on graft revascularization after islet transplantation in streptozotocin-induced diabetic mice. <b>2018</b> , 10, 25-39		10
101	Treatment with the mitochondrial-targeted antioxidant peptide SS-31 rescues neurovascular coupling responses and cerebrovascular endothelial function and improves cognition in aged mice. <b>2018</b> , 17, e12731		85
100	Resveratrol induces sumoylated COX-2-dependent anti-proliferation in human prostate cancer LNCaP cells. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 112, 67-75	4.7	21
99	Age-related endothelial dysfunction in human skeletal muscle feed arteries: the role of free radicals derived from mitochondria in the vasculature. <b>2018</b> , 222, e12893		34
98	SIRT1 and SIRT6 Signaling Pathways in Cardiovascular Disease Protection. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 28, 711-732	8.4	153
97	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With 6-Minute Walk Performance in Patients With Symptomatic Peripheral Artery Disease. <b>2018</b> , 69, 416-423		2
96	The more effective treatment of atrial fibrillation applying the natural compounds; as NADPH oxidase and ion channel inhibitors. <b>2018</b> , 58, 1230-1241		12
95	Role of resveratrol in regulation of cellular defense systems against oxidative stress. <b>2018</b> , 44, 36-49		152
94	A Systematic Review on Natural Antioxidant Properties of Resveratrol. <b>2018</b> , 13, 1934578X1801300		11
93	Resveratrol, Metabolic Syndrome, and Gut Microbiota. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	107
92	Mitochondrial Dysfunction Signature in Diabetic Vascular Endothelium. <b>2018</b> , 08,		1
91	Resveratrol down-regulates endothelin type B receptors in vascular smooth muscle cells via Sirt1/ERK1/2/NF- $\kappa$ B signaling pathways. <b>2018</b> , 840, 44-49		5
90	Mechanisms of Vascular Aging. <b>2018</b> , 123, 849-867		237
89	Natural Bioactive Molecules With Antidiabetic Attributes: Insights Into Structure-Activity Relationships. <b>2018</b> , 57, 353-388		3
88	Resveratrol in Aging and Age-Related Diseases. <b>2018</b> , 1133-1142		2
87	Reducing the Damage: Metabolism Behaviour Aesthetic Medicine. <b>2019</b> , 45-62		
86	PGC-1 $\alpha$ potential therapeutic target against kidney aging. <b>2019</b> , 18, e12994		22

85	Resveratrol Prevents Acrylamide-Induced Mitochondrial Dysfunction and Inflammatory Responses via Targeting Circadian Regulator Bmal1 and Cry1 in Hepatocytes. <b>2019</b> , 67, 8510-8519		19
84	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice. <i>GeroScience</i> , <b>2019</b> , 41, 609-617	8.9	28
83	Fusogenic liposomes effectively deliver resveratrol to the cerebral microcirculation and improve endothelium-dependent neurovascular coupling responses in aged mice. <i>GeroScience</i> , <b>2019</b> , 41, 711-725	8.9	26
82	SIRT1-Dependent Upregulation of Antiglycative Defense in HUVECs Is Essential for Resveratrol Protection against High Glucose Stress. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	6
81	Dipeptidyl peptidase-4 inhibition prevents vascular aging in mice under chronic stress: Modulation of oxidative stress and inflammation. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 314, 108842	5	18
80	C3a Receptor Inhibition Protects Brain Endothelial Cells Against Oxygen-glucose Deprivation/Reperfusion. <i>Experimental Neurobiology</i> , <b>2019</b> , 28, 216-228	4	16
79	Nicotinamide mononucleotide (NMN) treatment attenuates oxidative stress and rescues angiogenic capacity in aged cerebromicrovascular endothelial cells: a potential mechanism for the prevention of vascular cognitive impairment. <i>GeroScience</i> , <b>2019</b> , 41, 619-630	8.9	64
78	Resveratrol and Vascular Function. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	69
77	Role of endothelial NAD deficiency in age-related vascular dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H1253-H1266	5.2	47
76	Nicotinamide mononucleotide (NMN) supplementation rescues cerebromicrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice. <i>Redox Biology</i> , <b>2019</b> , 24, 101192	11.3	108
75	Resveratrol and Its Effects on the Vascular System. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	86
74	The expression of sirtuins, superoxide dismutase, and lipid peroxidation status in peripheral blood from patients with diabetes and hypothyroidism. <i>BMC Endocrine Disorders</i> , <b>2019</b> , 19, 19	3.3	12
73	Assessment of Cypermethrin Residues in Tobacco by a Bioelectric Recognition Assay (BERA) Neuroblastoma Cell-Based Biosensor. <i>Chemosensors</i> , <b>2019</b> , 7, 58	4	
72	Microvascular contributions to age-related macular degeneration (AMD): from mechanisms of choriocapillaris aging to novel interventions. <i>GeroScience</i> , <b>2019</b> , 41, 813-845	8.9	29
71	Tetramethoxystilbene-Loaded Liposomes Restore Reactive-Oxygen-Species-Mediated Attenuation of Dilator Responses in Rat Aortic Vessels Ex vivo. <i>Molecules</i> , <b>2019</b> , 24,	4.8	4
70	Resveratrol ameliorates endothelial dysfunction in diabetic and obese mice through sirtuin 1 and peroxisome proliferator-activated receptor $\alpha$ <i>Pharmacological Research</i> , <b>2019</b> , 139, 384-394	10.2	39
69	Concomitant administration of resveratrol and insulin protects against diabetes mellitus type-1-induced renal damage and impaired function via an antioxidant-mediated mechanism and up-regulation of Na/K-ATPase. <i>Archives of Physiology and Biochemistry</i> , <b>2019</b> , 125, 104-113	2.2	14
68	Pharmacological basis and new insights of resveratrol action in the cardiovascular system. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 1258-1277	8.6	43

67	Crosstalk between mitochondrial metabolism and oxidoreductive homeostasis: a new perspective for understanding the effects of bioactive dietary compounds. <i>Nutrition Research Reviews</i> , <b>2020</b> , 33, 90-101	7	6
66	Effects and Mechanisms of Traditional Chinese Herbal Medicine in the Treatment of Ischemic Cardiomyopathy. <i>Pharmacological Research</i> , <b>2020</b> , 151, 104488	10.2	12
65	Resveratrol alleviates oxidative stress caused by <i>Streptococcus uberis</i> infection via activating the Nrf2 signaling pathway. <i>International Immunopharmacology</i> , <b>2020</b> , 89, 107076	5.8	6
64	Resveratrol Attenuates High Glucose-Induced Vascular Endothelial Cell Injury by Activating the E2F3 Pathway. <i>BioMed Research International</i> , <b>2020</b> , 2020, 6173618	3	8
63	Resveratrol protects boar sperm via its antioxidant capacity. <i>Zygote</i> , <b>2020</b> , 1-8	1.6	9
62	Targeting Human Lung Adenocarcinoma with a Suppressor of Mitochondrial Superoxide Production. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 33, 883-902	8.4	9
61	Metformin Enhances Autophagy and Normalizes Mitochondrial Function to Alleviate Aging-Associated Inflammation. <i>Cell Metabolism</i> , <b>2020</b> , 32, 44-55.e6	24.6	129
60	Prenatal Hypoxia and Placental Oxidative Stress: Insights from Animal Models to Clinical Evidences. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	10
59	Resveratrol and Diabetic Cardiomyopathy: Focusing on the Protective Signaling Mechanisms. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 7051845	6.7	8
58	Mitochondrial superoxide/hydrogen peroxide: An emerging therapeutic target for metabolic diseases. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 152, 33-42	7.8	18
57	Nutritional sufficiency of traditional meal patterns. <b>2020</b> , 31-50		1
56	Nicotinamide mononucleotide (NMN) supplementation promotes neurovascular rejuvenation in aged mice: transcriptional footprint of SIRT1 activation, mitochondrial protection, anti-inflammatory, and anti-apoptotic effects. <i>GeroScience</i> , <b>2020</b> , 42, 527-546	8.9	37
55	Cardiovascular Health and Mitochondrial Function: Testing an Association. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2021</b> , 76, 361-367	6.4	5
54	Mitochondrial Regulation of Inflammation in Cancer. <i>Physiology in Health and Disease</i> , <b>2021</b> , 377-393	0.2	
53	Resveratrol and brain mitochondria. <b>2021</b> , 645-687		
52	Natural Antioxidants Improve the Vulnerability of Cardiomyocytes and Vascular Endothelial Cells under Stress Conditions: A Focus on Mitochondrial Quality Control. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 6620677	6.7	10
51	Protective Role of Polyphenols in Heart Failure: Molecular Targets and Cellular Mechanisms Underlying Their Therapeutic Potential. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	8
50	Antioxidative Stress Mechanisms behind Resveratrol: A Multidimensional Analysis. <i>Journal of Food Quality</i> , <b>2021</b> , 2021, 1-12	2.7	2

49	Effects of Traditional Chinese Medication-Based Bioactive Compounds on Cellular and Molecular Mechanisms of Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 3617498	6.7	5
48	Polyphenols and Ischemic Stroke: Insight into One of the Best Strategies for Prevention and Treatment. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	5
47	Prospective Pharmacological Potential of Resveratrol in Delaying Kidney Aging. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	7
46	Protective Effect of Sirt1 against Radiation-Induced Damage. <i>Radiation Research</i> , <b>2021</b> , 196, 647-657	3.1	2
45	Targeting Cardiovascular Risk Factors Through Dietary Adaptations and Caloric Restriction Mimetics. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 758058	6.2	4
44	Sirtuin1 in vascular endothelial function, an overview. <i>Epigenetics</i> , <b>2021</b> , 1-17	5.7	0
43	Inflammatory Molecular Mediators and Pathways Involved in Vascular Aging and Stroke: A Comprehensive Review. <i>Current Medicinal Chemistry</i> , <b>2021</b> ,	4.3	0
42	Increasing resveratrol bioavailability: A therapeutic challenge focusing on the mitochondria. <b>2021</b> , 349-384		0
41	Alterations of transcriptome expression, cell cycle, and mitochondrial superoxide reveal foetal endothelial dysfunction in Saudi women with gestational diabetes mellitus. <i>Endocrine Journal</i> , <b>2021</b> , 68, 1067-1079	2.9	2
40	Sirtuin 1 (SIRT1) and Oxidative Stress. <b>2014</b> , 417-435		6
39	Restoration of altered microRNA expression in the ischemic heart with resveratrol. <i>PLoS ONE</i> , <b>2010</b> , 5, e15705	3.7	69
38	Protection against recurrent stroke with resveratrol: endothelial protection. <i>PLoS ONE</i> , <b>2012</b> , 7, e47792	3.7	57
37	Resveratrol and clinical trials: the crossroad from in vitro studies to human evidence. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 6064-93	3.3	321
36	Polyphenols Regulate Endothelial Functions and Reduce the Risk of Cardiovascular Disease. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 2443-2458	3.3	35
35	Pharmacologic Means of Extending Lifespan. <b>2012</b> , Suppl 4,		4
34	SRT1720, a SIRT1 Activator, Aggravates Bleomycin-Induced Lung Injury in Mice. <i>Food and Nutrition Sciences (Print)</i> , <b>2012</b> , 03, 157-163	0.4	4
33	Pulmonary Hypertension Is a Probable NO/ONOO <sup>-</sup> Cycle Disease: A Review. <i>ISRN Hypertension</i> , <b>2013</b> , 2013, 1-27		1
32	Synergistic effect of resveratrol and radiotherapy in control of cancers. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2013</b> , 14, 6197-208	1.7	22

31	Resveratrol und Gesundheit. <b>2012</b> , 199-206		
30	Reducing Oxidative Stress and Manipulating Molecular Signaling Events Using Resveratrol as a Therapy for Pathological Cardiac Hypertrophy. <b>2013</b> , 227-254		
29	Resveratrol Emerges as a Miracle Cardioprotective Phytochemical Polyphenol and Nutraceutical. <b>2013</b> , 401-420		
28	Hyperglycemia, Oxidative Stress, and Vascular Complications: Role of Epigenetic Mechanisms. <b>2014</b> , 107-122		
27	Natural Polyphenols Inhibit Lysine-Specific Demethylase-1. <i>Journal of Biochemical and Pharmacological Research</i> , <b>2013</b> , 1, 56-63		24
26	The aging venous system: from varicosities to vascular cognitive impairment. <i>GeroScience</i> , <b>2021</b> , 43, 2768-2784		2
25	MEF2A Is the Trigger of Resveratrol Exerting Protection on Vascular Endothelial Cell.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 775392	5.4	0
24	Longevity Factor FOXO3: A Key Regulator in Aging-Related Vascular Diseases.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 778674	5.4	3
23	Molecular mechanisms of coronary microvascular endothelial dysfunction in diabetes mellitus: focus on mitochondrial quality surveillance.. <i>Angiogenesis</i> , <b>2022</b> , 1	10.6	5
22	Nanostructured Lipid Carriers Deliver Resveratrol, Restoring Attenuated Dilation in Small Coronary Arteries, via the AMPK Pathway.. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	1
21	NAD+ and Vascular Dysfunction: From Mechanisms to Therapeutic Opportunities. <i>Journal of Lipid and Atherosclerosis</i> , <b>2022</b> , 11, 111	3	2
20	Repurposing of Metabolic Drugs and Mitochondrial Modulators as an Emerging Class of Cancer Therapeutics with a Special Focus on Breast Cancer. <i>SSRN Electronic Journal</i> ,	1	
19	SIRT 1 Activator Loaded Inhaled Antiangiogenic Liposomal Formulation Development for Pulmonary Hypertension. <i>AAPS PharmSciTech</i> , <b>2022</b> , 23,	3.9	0
18	Resveratrol as a Promising Polyphenol in Age-Associated Cardiac Alterations. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2022</b> , 2022, 1-8	6.7	2
17	Palliative Effect of Resveratrol against Nanosized Iron Oxide-Induced Oxidative Stress and Steroidogenesis-Related Genes Dysregulation in Testicular Tissue of Adult Male Rats. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19, 8171	4.6	0
16	Effects of grape phenolics, myricetin and piceatannol, on bovine granulosa and theca cell proliferation and steroid production in vitro. <i>Food and Chemical Toxicology</i> , <b>2022</b> , 167, 113288	4.7	
15	Role of Oxidative Stress in the Pathogenesis of Atherothrombotic Diseases. <i>Antioxidants</i> , <b>2022</b> , 11, 14087-1		2
14	Targeting SIRT1 Rescues Age- and Obesity-Induced Microvascular Dysfunction in Ex Vivo Human Vessels.		2



- 13 Repurposing of metabolic drugs and mitochondrial modulators as an emerging class of cancer therapeutics with a special focus on breast cancer. **2022**, 6, 100065 ○
- 12 The role of mitochondria in rheumatic diseases. 1
- 11 CoQ10 and Resveratrol Effects to Ameliorate Aged-Related Mitochondrial Dysfunctions. **2022**, 14, 4326 2
- 10 Role of mitochondria in brain functions and related disorders. 494-515 ○
- 9 RONS and Oxidative Stress: An Overview of Basic Concepts. **2022**, 2, 437-478 6
- 8 New insights into vascular aging: Emerging role of mitochondria function. **2022**, 156, 113954 ○
- 7 Oxidative Regulation of Vascular Cav1.2 Channels Triggers Vascular Dysfunction in Hypertension-Related Disorders. **2022**, 11, 2432 ○
- 6 Multiple myeloma, a quintessential malignant disease of aging: a geroscience perspective on pathogenesis and treatment. ○
- 5 Mitochondria as novel mediators linking gut microbiota to atherosclerosis that is ameliorated by herbal medicine: A review. 14, ○
- 4 Mitochondrial disorder and treatment of ischemic cardiomyopathy: Potential and advantages of Chinese herbal medicine. **2023**, 159, 114171 ○
- 3 The Key Role of Mitochondrial Function in Health and Disease. **2023**, 12, 782 ○
- 2 Effects of Resveratrol on Vascular Function in Retinal Ischemia-Reperfusion Injury. **2023**, 12, 853 ○
- 1 Resveratrol Attenuates the Mitochondrial RNA-Mediated Cellular Response to Immunogenic Stress. **2023**, 24, 7403 ○