Paulo J Oliveira

List of Publications by Citations

285 papers	8,375 citations	43 h-index	76 g-index
312 ext. papers	9,879 ext. citations	4.9 avg, IF	6.22 L-index

#	Paper	IF	Citations
285	Doxorubicin: the good, the bad and the ugly effect. *Current Medicinal Chemistry*, **2009**, 16, 3267-85	4.3	707
284	Doxorubicin-induced cardiotoxicity: from bioenergetic failure and cell death to cardiomyopathy. *Medicinal Research Reviews*, **2014**, 34, 106-35	14.4	319
283	Diabetes and the impairment of reproductive function: possible role of mitochondria and reactive oxygen species. *Current Diabetes Reviews*, **2008**, 4, 46-54	2.7	216
282	Carvedilol-mediated antioxidant protection against doxorubicin-induced cardiac mitochondrial toxicity. *Toxicology and Applied Pharmacology*, **2004**, 200, 159-68	4.6	169
281	Horizontal transfer of whole mitochondria restores tumorigenic potential in mitochondrial DNA-deficient cancer cells. *ELife*, **2017**, 6,	8.9	141
280	Parabens in male infertility-is there a mitochondrial connection?. *Reproductive Toxicology*, **2009**, 27, 1-7	3.4	134
279	Bile acids affect liver mitochondrial bioenergetics: possible relevance for cholestasis therapy. *Toxicological Sciences*, **2000**, 57, 177-85	4.4	123
278	Mitochondrially targeted effects of berberine [Natural Yellow 18, 5,6-dihydro-9,10-dimethoxybenzo(g)-1,3-benzodioxolo(5,6-a) quinolizinium] on K1735-M2 mouse melanoma cells: comparison with direct effects on isolated mitochondrial fractions. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 323, 636-49	4.7	117
277	Moderate endurance training prevents doxorubicin-induced in vivo mitochondriopathy and reduces the development of cardiac apoptosis. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H722-31	5.2	117
276	Mitochondrial Determinants of Doxorubicin-Induced Cardiomyopathy. *Circulation Research*, **2020**, 126, 926-941	15.7	108
275	Different concentrations of berberine result in distinct cellular localization patterns and cell cycle effects in a melanoma cell line. *Cancer Chemotherapy and Pharmacology*, **2008**, 61, 1007-18	3.5	107
274	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. *Cell Metabolism*, **2019**, 29, 399-416.e10	24.6	104
273	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. *International Review of Cell and Molecular Biology*, **2018**, 340, 209-344	6	102
272	Lipophilic caffeic and ferulic acid derivatives presenting cytotoxicity against human breast cancer cells. *Chemical Research in Toxicology*, **2011**, 24, 763-74	4	99
271	Role of mitochondria in nonalcoholic fatty liver disease--from origin to propagation. *Clinical Biochemistry*, **2012**, 45, 610-8	3.5	93
270	Morphological alterations induced by doxorubicin on H9c2 myoblasts: nuclear, mitochondrial, and cytoskeletal targets. *Cell Biology and Toxicology*, **2009**, 25, 227-43	7.4	93
269	Physical exercise improves brain cortex and cerebellum mitochondrial bioenergetics and alters apoptotic, dynamic and auto(mito)phagy markers. *Neuroscience*, **2015**, 301, 480-95	3.9	92

268	Drug-induced cardiac mitochondrial toxicity and protection: from doxorubicin to carvedilol. *Current Pharmaceutical Design*, **2011**, 17, 2113-29	3.3	92
267	Physical exercise as a possible strategy for brain protection: evidence from mitochondrial-mediated mechanisms. *Progress in Neurobiology*, **2012**, 99, 149-62	10.9	89
266	Oleanolic, Ursolic, and Betulinic Acids as Food Supplements or Pharmaceutical Agents for Type 2 Diabetes: Promise or Illusion?. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 2991-3008	5.7	88
265	Berberine as a promising safe anti-cancer agent - is there a role for mitochondria?. *Current Drug Targets*, **2011**, 12, 850-9	3	87
264	Investigating drug-induced mitochondrial toxicity: a biosensor to increase drug safety?. *Current Drug Safety*, **2009**, 4, 34-54	1.4	81
263	Depletion of adenine nucleotide translocator protein in heart mitochondria from doxorubicin-treated rats--relevance for mitochondrial dysfunction. *Toxicology*, **2006**, 220, 160-8	4.4	78
262	Mitochondria-Lysosome Crosstalk: From Physiology to Neurodegeneration. *Trends in Molecular Medicine*, **2020**, 26, 71-88	11.5	77
261	Mitochondrial metabolism directs stemness and differentiation in P19 embryonal carcinoma stem cells. *Cell Death and Differentiation*, **2014**, 21, 1560-74	12.7	75
260	Quercetin, kaempferol and biapigenin from Hypericum perforatum are neuroprotective against excitotoxic insults. *Neurotoxicity Research*, **2008**, 13, 265-79	4.3	74
259	Acute exercise protects against calcium-induced cardiac mitochondrial permeability transition pore opening in doxorubicin-treated rats. *Clinical Science*, **2011**, 120, 37-49	6.5	72
258	Gene Expression Profiling of H9c2 Myoblast Differentiation towards a Cardiac-Like Phenotype. *PLoS ONE*, **2015**, 10, e0129303	3.7	69
257	Doxorubicin-induced mitochondrial dysfunction is secondary to nuclear p53 activation in H9c2 cardiomyoblasts. *Cancer Chemotherapy and Pharmacology*, **2009**, 64, 811-27	3.5	69
256	Mitochondria in chronic liver disease. *Current Drug Targets*, **2011**, 12, 879-93	3	67
255	Dietary vitamin E decreases doxorubicin-induced oxidative stress without preventing mitochondrial dysfunction. *Cardiovascular Toxicology*, **2005**, 5, 257-67	3.4	67
254	Mitochondrial membrane lipid remodeling in pathophysiology: a new target for diet and therapeutic interventions. *Progress in Lipid Research*, **2013**, 52, 513-28	14.3	65
253	Physical exercise prior and during treatment reduces sub-chronic doxorubicin-induced mitochondrial toxicity and oxidative stress. *Mitochondrion*, **2015**, 20, 22-33	4.9	64
252	The contribution of oxidative stress to drug-induced organ toxicity and its detection in vitro and in vivo. *Expert Opinion on Drug Metabolism and Toxicology*, **2012**, 8, 219-37	5.5	61
251	Inhibition of mitochondrial complex III blocks neuronal differentiation and maintains embryonic stem cell pluripotency. *PLoS ONE*, **2013**, 8, e82095	3.7	61

250	Doxorubicin increases the susceptibility of brain mitochondria to Ca(2+)-induced permeability transition and oxidative damage. *Free Radical Biology and Medicine*, **2008**, 45, 1395-402	7.8	59
249	Enhanced permeability transition explains the reduced calcium uptake in cardiac mitochondria from streptozotocin-induced diabetic rats. *FEBS Letters*, **2003**, 554, 511-4	3.8	58
248	Physical Exercise and Brain Mitochondrial Fitness: The Possible Role Against Alzheimer's Disease. *Brain Pathology*, **2016**, 26, 648-63	6	52
247	Endurance training reverts heart mitochondrial dysfunction, permeability transition and apoptotic signaling in long-term severe hyperglycemia. *Mitochondrion*, **2011**, 11, 54-63	4.9	51
246	Are the antioxidant properties of carvedilol important for the protection of cardiac mitochondria?. *Current Vascular Pharmacology*, **2005**, 3, 147-58	3.3	49
245	Mechanisms of berberine (natural yellow 18)-induced mitochondrial dysfunction: interaction with the adenine nucleotide translocator. *Toxicological Sciences*, **2008**, 105, 408-17	4.4	45
244	Vital imaging of H9c2 myoblasts exposed to tert-butylhydroperoxide--characterization of morphological features of cell death. *BMC Cell Biology*, **2007**, 8, 11		45
243	Diabetes induces metabolic adaptations in rat liver mitochondria: role of coenzyme Q and cardiolipin contents. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2003**, 1639, 113-20	6.9	44
242	Extracellular acidification induces ROS- and mPTP-mediated death in HEK293 cells. *Redox Biology*, **2018**, 15, 394-404	11.3	43
241	Isoproterenol cytotoxicity is dependent on the differentiation state of the cardiomyoblast H9c2 cell line. *Cardiovascular Toxicology*, **2011**, 11, 191-203	3.4	42
240	Mitochondria in cancer stem cells: a target for therapy. *Recent Patents on Endocrine, Metabolic & Immune Drug Discovery*, **2013**, 7, 102-14		42
239	Berberine-induced cardioprotection and Sirt3 modulation in doxorubicin-treated H9c2 cardiomyoblasts. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2904-2923	6.9	41
238	Endurance training limits the functional alterations of rat heart mitochondria submitted to in vitro anoxia-reoxygenation. *International Journal of Cardiology*, **2006**, 109, 169-78	3.2	41
237	Mitochondria: Targeting mitochondrial reactive oxygen species with mitochondriotropic polyphenolic-based antioxidants. *International Journal of Biochemistry and Cell Biology*, **2018**, 97, 98-103	5.6	40
236	Metabolic remodeling during H9c2 myoblast differentiation: relevance for in vitro toxicity studies. *Cardiovascular Toxicology*, **2011**, 11, 180-90	3.4	40
235	Sanguinarine cytotoxicity on mouse melanoma K1735-M2 cells--nuclear vs. mitochondrial effects. *Biochemical Pharmacology*, **2008**, 76, 1459-75	6	40
234	Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus. *Sports Medicine*, **2008**, 38, 735-50	10.6	40
233	Multi-target-directed ligands for Alzheimer's disease: Discovery of chromone-based monoamine oxidase/cholinesterase inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 158, 781-800	6.8	40

232	Flexible nanofilms coated with aligned piezoelectric microfibers preserve the contractility of cardiomyocytes. *Biomaterials*, **2017**, 139, 213-228	15.6	39
231	Involvement of mitochondrial and B-RAF/ERK signaling pathways in berberine-induced apoptosis in human melanoma cells. *Anti-Cancer Drugs*, **2011**, 22, 507-18	2.4	39
230	Dietary Polyphenols and Mitochondrial Function: Role in Health and Disease. *Current Medicinal Chemistry*, **2019**, 26, 3376-3406	4.3	39
229	Exercise as a beneficial adjunct therapy during Doxorubicin treatment--role of mitochondria in cardioprotection. *International Journal of Cardiology*, **2012**, 156, 4-10	3.2	38
228	Testicular mitochondrial alterations in untreated streptozotocin-induced diabetic rats. *Mitochondrion*, **2009**, 9, 41-50	4.9	38
227	Pt(II) vs Pd(II) Polyamine Complexes as New Anticancer Drugs: A Structure- Activity Study. *Letters in Drug Design and Discovery*, **2006**, 3, 149-151	0.8	38
226	Mitochondrial apoptosis-inducing factor is involved in doxorubicin-induced toxicity on H9c2 cardiomyoblasts. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 2468-78	6.9	37
225	Exercise mitigates mitochondrial permeability transition pore and quality control mechanisms alterations in nonalcoholic steatohepatitis. *Applied Physiology, Nutrition and Metabolism*, **2016**, 41, 298-306	3	36
224	Substrate selection in hearts subjected to ischemia/reperfusion: role of cardioplegic solutions and gender. *NMR in Biomedicine*, **2011**, 24, 1029-37	4.4	36
223	Carvedilol inhibits the exogenous NADH dehydrogenase in rat heart mitochondria. *Archives of Biochemistry and Biophysics*, **2000**, 374, 279-85	4.1	36
222	A silybin-phospholipids complex counteracts rat fatty liver degeneration and mitochondrial oxidative changes. *World Journal of Gastroenterology*, **2013**, 19, 3007-17	5.6	36
221	Mitochondrial remodeling in cancer metabolism and survival: potential for new therapies. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2012**, 1826, 238-54	11.2	35
220	Mitochondrial involvement in cardiac apoptosis during ischemia and reperfusion: can we close the box?. *Cardiovascular Toxicology*, **2009**, 9, 211-27	3.4	35
219	Altered mitochondrial epigenetics associated with subchronic doxorubicin cardiotoxicity. *Toxicology*, **2017**, 390, 63-73	4.4	34
218	Development of a Mitochondriotropic Antioxidant Based on Caffeic Acid: Proof of Concept on Cellular and Mitochondrial Oxidative Stress Models. *Journal of Medicinal Chemistry*, **2017**, 60, 7084-7098	8.3	34
217	Physical exercise prevents and mitigates non-alcoholic steatohepatitis-induced liver mitochondrial structural and bioenergetics impairments. *Mitochondrion*, **2014**, 15, 40-51	4.9	33
216	Mitochondria from distinct tissues are differently affected by 17β-estradiol and tamoxifen. *Journal of Steroid Biochemistry and Molecular Biology*, **2011**, 123, 8-16	5.1	33
215	Doxorubicin-induced thiol-dependent alteration of cardiac mitochondrial permeability transition and respiration. *Biochemistry (Moscow)*, **2006**, 71, 194-9	2.9	33

214	Effects of carvedilol on isolated heart mitochondria: evidence for a protonophoretic mechanism. *Biochemical and Biophysical Research Communications*, **2000**, 276, 82-7	3.4	33
213	Back to the future: transgenerational transmission of xenobiotic-induced epigenetic remodeling. *Epigenetics*, **2015**, 10, 259-73	5.7	32
212	Physical exercise mitigates doxorubicin-induced brain cortex and cerebellum mitochondrial alterations and cellular quality control signaling. *Mitochondrion*, **2016**, 26, 43-57	4.9	32
211	Melatonin modulates autophagy through a redox-mediated action in female Syrian hamster Harderian gland controlling cell types and gland activity. *Journal of Pineal Research*, **2012**, 52, 80-92	10.4	32
210	Modulation of cardiac mitochondrial permeability transition and apoptotic signaling by endurance training and intermittent hypobaric hypoxia. *International Journal of Cardiology*, **2014**, 173, 40-5	3.2	31
209	Rapid human melanoma cell death induced by sanguinarine through oxidative stress. *European Journal of Pharmacology*, **2013**, 705, 109-18	5.3	31
208	Differentiation-dependent doxorubicin toxicity on H9c2 cardiomyoblasts. *Cardiovascular Toxicology* , **2012**, 12, 326-40	3.4	31
207	Exercise modulates liver cellular and mitochondrial proteins related to quality control signaling. *Life Sciences*, **2015**, 135, 124-30	6.8	29
206	Cardiac mitochondrial dysfunction during hyperglycemia--the role of oxidative stress and p66Shc signaling. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 114-22	5.6	29
205	Stimulating basal mitochondrial respiration decreases doxorubicin apoptotic signaling in H9c2 cardiomyoblasts. *Toxicology*, **2015**, 334, 1-11	4.4	29
204	Drug-induced mitochondrial dysfunction in cardiac and skeletal muscle injury. *Expert Opinion on Drug Safety*, **2008**, 7, 129-46	4.1	29
203	Targeting mitochondria to oppose the progression of nonalcoholic fatty liver disease. *Biochemical Pharmacology*, **2019**, 160, 34-45	6	29
202	Bisphenol A as epigenetic modulator: setting the stage for carcinogenesis?. *European Journal of Clinical Investigation*, **2015**, 45 Suppl 1, 32-6	4.6	28
201	Cardiac cytochrome c and cardiolipin depletion during anthracycline-induced chronic depression of mitochondrial function. *Mitochondrion*, **2016**, 30, 95-104	4.9	28
200	Sirtuin 1-dependent resveratrol cytotoxicity and pro-differentiation activity on breast cancer cells. *Archives of Toxicology*, **2017**, 91, 1261-1278	5.8	28
199	Mitochondrial biology in cancer stem cells. *Seminars in Cancer Biology*, **2017**, 47, 18-28	12.7	28
198	Regulation and protection of mitochondrial physiology by sirtuins. *Mitochondrion*, **2012**, 12, 66-76	4.9	28
197	Mitochondrionopathy phenotype in doxorubicin-treated Wistar rats depends on treatment protocol and is cardiac-specific. *PLoS ONE*, **2012**, 7, e38867	3.7	28

196	Mitochondria as a target for exercise-induced cardioprotection. *Current Drug Targets*, **2011**, 12, 860-71	3	28
195	Doxorubicin triggers bioenergetic failure and p53 activation in mouse stem cell-derived cardiomyocytes. *Toxicology and Applied Pharmacology*, **2018**, 348, 1-13	4.6	27
194	Dimethylaminopyridine derivatives of lupane triterpenoids cause mitochondrial disruption and induce the permeability transition. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 7239-49	3.4	27
193	Melatonin antiproliferative effects require active mitochondrial function in embryonal carcinoma cells. *Oncotarget*, **2015**, 6, 17081-96	3.3	27
192	Evaluation of respiration with clark type electrode in isolated mitochondria and permeabilized animal cells. *Methods in Molecular Biology*, **2012**, 810, 7-24	1.4	26
191	A biophysical approach to menadione membrane interactions: relevance for menadione-induced mitochondria dysfunction and related deleterious/therapeutic effects. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1899-908	3.8	26
190	Testicular aging involves mitochondrial dysfunction as well as an increase in UCP2 levels and proton leak. *FEBS Letters*, **2008**, 582, 4191-6	3.8	26
189	Bile acids are toxic for isolated cardiac mitochondria: a possible cause for hepatic-derived cardiomyopathies?. *Cardiovascular Toxicology*, **2005**, 5, 63-73	3.4	26
188	Decreased susceptibility of heart mitochondria from diabetic GK rats to mitochondrial permeability transition induced by calcium phosphate. *Bioscience Reports*, **2001**, 21, 45-53	4.1	26
187	Targeting Mitochondria in Cardiovascular Diseases. *Current Pharmaceutical Design*, **2016**, 22, 5698-5717	3.3	26
186	Exercise and Doxorubicin Treatment Modulate Cardiac Mitochondrial Quality Control Signaling. *Cardiovascular Toxicology*, **2018**, 18, 43-55	3.4	25
185	Vitamin E prevents hypobaric hypoxia-induced mitochondrial dysfunction in skeletal muscle. *Clinical Science*, **2007**, 113, 459-66	6.5	25
184	Chenodeoxycholate induction of mitochondrial permeability transition pore is associated with increased membrane fluidity and cytochrome c release: protective role of carvedilol. *Mitochondrion*, **2003**, 2, 305-11	4.9	25
183	Disruption of mitochondrial function as mechanism for anti-cancer activity of a novel mitochondriotropic menadione derivative. *Toxicology*, **2018**, 393, 123-139	4.4	25
182	Effects of moderate global maternal nutrient reduction on fetal baboon renal mitochondrial gene expression at 0.9 gestation. *American Journal of Physiology - Renal Physiology*, **2015**, 308, F1217-28	4.3	24
181	Modulation of hepatic redox status and mitochondrial metabolism by exercise: therapeutic strategy for liver diseases. *Mitochondrion*, **2013**, 13, 862-70	4.9	24
180	Mitochondrial toxicity of the phyotochemicals daphnetoxin and daphnoretin--relevance for possible anti-cancer application. *Toxicology in Vitro*, **2009**, 23, 772-9	3.6	24
179	Complex Formation between Heptakis(2,6-di-O-methyl)-β-cyclodextrin and Cyclopentadienyl Molybdenum(II) Dicarbonyl Complexes: Structural Studies and Cytotoxicity Evaluations. *Organometallics*, **2008**, 27, 4948-4956	3.8	24

178	Protection against post-ischemic mitochondrial injury in rat liver by silymarin or TUDC. *Hepatology Research*, **2003**, 26, 217-224	5.1	24
177	Determination of Metabolic Viability and Cell Mass Using a Tandem Resazurin/Sulforhodamine B Assay. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2016**, 68, 2.24.1-2.24.15	1	24
176	Exercise alters liver mitochondria phospholipidomic profile and mitochondrial activity in non-alcoholic steatohepatitis. *International Journal of Biochemistry and Cell Biology*, **2014**, 54, 163-73	5.6	23
175	Synergistic impact of endurance training and intermittent hypobaric hypoxia on cardiac function and mitochondrial energetic and signaling. *International Journal of Cardiology*, **2013**, 168, 5363-71	3.2	23
174	Development of hydroxybenzoic-based platforms as a solution to deliver dietary antioxidants to mitochondria. *Scientific Reports*, **2017**, 7, 6842	4.9	23
173	Can drug safety be predicted and animal experiments reduced by using isolated mitochondrial fractions?. *ATLA Alternatives To Laboratory Animals*, **2009**, 37, 355-65	2.1	23
172	Study of carvedilol by combined Raman spectroscopy and ab initio MO calculations. *Journal of Raman Spectroscopy*, **2002**, 33, 778-783	2.3	23
171	Cardiomyocyte H9c2 cells present a valuable alternative to fish lethal testing for azoxystrobin. *Environmental Pollution*, **2015**, 206, 619-26	9.3	22
170	Development of a PEGylated-Based Platform for Efficient Delivery of Dietary Antioxidants Across the Blood-Brain Barrier. *Bioconjugate Chemistry*, **2018**, 29, 1677-1689	6.3	22
169	Hydroxybenzoic Acid Derivatives as Dual-Target Ligands: Mitochondriotropic Antioxidants and Cholinesterase Inhibitors. *Frontiers in Chemistry*, **2018**, 6, 126	5	21
168	The Nutraceutic Silybin Counteracts Excess Lipid Accumulation and Ongoing Oxidative Stress in an Model of Non-Alcoholic Fatty Liver Disease Progression. *Frontiers in Nutrition*, **2017**, 4, 42	6.2	21
167	Dimethylaminopyridine derivatives of lupane triterpenoids are potent disruptors of mitochondrial structure and function. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 6080-8	3.4	21
166	Decreased ANT content in Zucker fatty rats: relevance for altered hepatic mitochondrial bioenergetics in steatosis. *FEBS Letters*, **2006**, 580, 2153-7	3.8	21
165	Effects of endurance training and acute Doxorubicin treatment on rat heart mitochondrial alterations induced by in vitro anoxia-reoxygenation. *Cardiovascular Toxicology*, **2006**, 6, 159-72	3.4	21
164	p66Shc signaling is involved in stress responses elicited by anthracycline treatment of rat cardiomyoblasts. *Archives of Toxicology*, **2016**, 90, 1669-84	5.8	20
163	New derivatives of lupane triterpenoids disturb breast cancer mitochondria and induce cell death. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 6270-87	3.4	20
162	Exercise mitigates diclofenac-induced liver mitochondrial dysfunction. *European Journal of Clinical Investigation*, **2014**, 44, 668-77	4.6	20
161	Fatty Acid Oxidation and Cardiovascular Risk during Menopause: A Mitochondrial Connection?. *Journal of Lipids*, **2012**, 2012, 365798	2.7	20

160	Inhibition of mitochondrial bioenergetics by carbaryl is only evident for higher concentrations -- Relevance for carbaryl toxicity mechanisms. *Chemosphere*, **2007**, 66, 404-11	8.4	20
159	Chenodeoxycholate is a potent inducer of the permeability transition pore in rat liver mitochondria. *Bioscience Reports*, **2001**, 21, 73-80	4.1	20
158	Inhibitory effect of carvedilol in the high-conductance state of the mitochondrial permeability transition pore. *European Journal of Pharmacology*, **2001**, 412, 231-7	5.3	20
157	Benzoic acid-derived nitrones: A new class of potential acetylcholinesterase inhibitors and neuroprotective agents. *European Journal of Medicinal Chemistry*, **2019**, 174, 116-129	6.8	19
156	The beneficial role of exercise in mitigating doxorubicin-induced Mitochondrionopathy. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2018**, 1869, 189-199	11.2	19
155	Rapeseed oil-rich diet alters hepatic mitochondrial membrane lipid composition and disrupts bioenergetics. *Archives of Toxicology*, **2013**, 87, 2151-63	5.8	19
154	Exercise as a therapeutic tool to prevent mitochondrial degeneration in nonalcoholic steatohepatitis. *European Journal of Clinical Investigation*, **2013**, 43, 1184-94	4.6	19
153	Anti-apoptotic protection afforded by cardioplegic celsior and histidine buffer solutions to hearts subjected to ischemia and ischemia/reperfusion. *Journal of Cellular Biochemistry*, **2011**, 112, 3872-81	4.7	19
152	Electrochemical Oxidation of Berberine and of Its Oxidation Products at a Glassy Carbon Electrode. *Electroanalysis*, **2009**, 21, 1027-1034	3	19
151	Carvedilol inhibits the mitochondrial permeability transition by an antioxidant mechanism. *Cardiovascular Toxicology*, **2004**, 4, 11-20	3.4	19
150	Caffeine enhances the calcium-dependent cardiac mitochondrial permeability transition: relevance for caffeine toxicity. *Toxicology and Applied Pharmacology*, **2002**, 179, 50-6	4.6	19
149	Fine-tuning the neuroprotective and blood-brain barrier permeability profile of multi-target agents designed to prevent progressive mitochondrial dysfunction. *European Journal of Medicinal Chemistry*, **2019**, 167, 525-545	6.8	18
148	Discovery of a new mitochondria permeability transition pore (mPTP) inhibitor based on gallic acid. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 567-576	5.6	18
147	Mitochondrial bioenergetics and drug-induced toxicity in a panel of mouse embryonic fibroblasts with mitochondrial DNA single nucleotide polymorphisms. *Toxicology and Applied Pharmacology*, **2012**, 264, 167-81	4.6	18
146	Sodium hydrosulfide improves the protective potential of the cardioplegic histidine buffer solution. *European Journal of Pharmacology*, **2011**, 654, 60-7	5.3	18
145	Nitrogen compounds prevent h9c2 myoblast oxidative stress-induced mitochondrial dysfunction and cell death. *Cardiovascular Toxicology*, **2010**, 10, 51-65	3.4	18
144	Carvedilol reduces mitochondrial damage induced by hypoxanthine/xanthine oxidase: relevance to hypoxia/reoxygenation injury. *Cardiovascular Toxicology*, **2001**, 1, 205-13	3.4	18
143	Nimesulide interaction with membrane model systems: are membrane physical effects involved in nimesulide mitochondrial toxicity?. *Toxicology in Vitro*, **2011**, 25, 1215-23	3.6	17

142	Differential effects of p,pSDDE on testis and liver mitochondria: implications for reproductive toxicology. *Reproductive Toxicology*, **2011**, 31, 80-5	3.4	17
141	Urine-Derived Stem Cells: Applications in Regenerative and Predictive Medicine. *Cells*, **2020**, 9,	7.9	16
140	Mitochondrial disruption occurs downstream from β-adrenergic overactivation by isoproterenol in differentiated, but not undifferentiated H9c2 cardiomyoblasts: differential activation of stress and survival pathways. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 2379-91	5.6	16
139	Disruption of hepatic mitochondrial bioenergetics is not a primary mechanism for the toxicity of methoprene - relevance for toxicological assessment. *Chemosphere*, **2008**, 72, 1347-54	8.4	16
138	Unaltered hepatic oxidative phosphorylation and mitochondrial permeability transition in wistar rats treated with nimesulide: Relevance for nimesulide toxicity characterization. *Journal of Biochemical and Molecular Toxicology*, **2007**, 21, 53-61	3.4	16
137	Oxidative Stress in Amyotrophic Lateral Sclerosis: Pathophysiology and Opportunities for Pharmacological Intervention. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 5021694	6.7	16
136	Design of novel monoamine oxidase-B inhibitors based on piperine scaffold: Structure-activity-toxicity, drug-likeness and efflux transport studies. *European Journal of Medicinal Chemistry*, **2020**, 185, 111770	6.8	16
135	Histological changes and impairment of liver mitochondrial bioenergetics after long-term treatment with alpha-naphthyl-isothiocyanate (ANIT). *Toxicology*, **2003**, 190, 185-96	4.4	15
134	Disruption of mitochondrial calcium homeostasis after chronic alpha-naphthylisothiocyanate administration: relevance for cholestasis. *Journal of Investigative Medicine*, **2002**, 50, 193-200	2.9	15
133	The mitochondrial permeability transition pore: an evolving concept critical for cell life and death. *Biological Reviews*, **2021**, 96, 2489-2521	13.5	15
132	Involvement of mitochondrial dysfunction in nefazodone-induced hepatotoxicity. *Food and Chemical Toxicology*, **2016**, 94, 148-58	4.7	14
131	Dioxin-induced acute cardiac mitochondrial oxidative damage and increased activity of ATP-sensitive potassium channels in Wistar rats. *Environmental Pollution*, **2013**, 180, 281-90	9.3	14
130	Endurance training and chronic intermittent hypoxia modulate in vitro salicylate-induced hepatic mitochondrial dysfunction. *Mitochondrion*, **2012**, 12, 607-16	4.9	14
129	Disrupted ATP synthase activity and mitochondrial hyperpolarisation-dependent oxidative stress is associated with p66Shc phosphorylation in fibroblasts of NARP patients. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 141-50	5.6	14
128	Interaction of carbonylcyanide p-trifluoromethoxyphenylhydrazone (FCCP) with lipid membrane systems: a biophysical approach with relevance to mitochondrial uncoupling. *Journal of Bioenergetics and Biomembranes*, **2011**, 43, 287-98	3.7	14
127	A Mitochondrial Approach to Cardiovascular Risk and Disease. *Current Pharmaceutical Design*, **2019**, 25, 3175-3194	3.3	14
126	Excess fructose and fatty acids trigger a model of non-alcoholic fatty liver disease progression in vitro: Protective effect of the flavonoid silybin. *International Journal of Molecular Medicine*, **2019**, 44, 705-712	4.4	14
125	Western Diet Causes Obesity-Induced Nonalcoholic Fatty Liver Disease Development by Differentially Compromising the Autophagic Response. *Antioxidants*, **2020**, 9,	7.1	14

124	Minocycline exerts uncoupling and inhibiting effects on mitochondrial respiration through adenine nucleotide translocase inhibition. *Pharmacological Research*, **2012**, 65, 120-8	10.2	13
123	Eccentric exercise transiently affects mice skeletal muscle mitochondrial function. *Applied Physiology, Nutrition and Metabolism*, **2013**, 38, 401-9	3	13
122	Re-wiring the circuit: mitochondria as a pharmacological target in liver disease. *Current Medicinal Chemistry*, **2011**, 18, 5448-65	4.3	13
121	Calcium-dependent mitochondrial permeability transition is augmented in the kidney of Goto-Kakizaki diabetic rat. *Diabetes/Metabolism Research and Reviews*, **2004**, 20, 131-6	7.5	13
120	Cardiac mitochondrial alterations observed in hyperglycaemic rats--what can we learn from cell biology?. *Current Diabetes Reviews*, **2005**, 1, 11-21	2.7	13
119	Mitochondrial tolerance to drugs and toxic agents in ageing and disease. *Current Drug Targets*, **2011**, 12, 827-49	3	13
118	Mitochondrial remodeling in human skin fibroblasts from sporadic male Parkinson's disease patients uncovers metabolic and mitochondrial bioenergetic defects. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165615	6.9	13
117	Single nanomolar doxorubicin exposure triggers compensatory mitochondrial responses in H9c2 cardiomyoblasts. *Food and Chemical Toxicology*, **2019**, 124, 450-461	4.7	13
116	Metabolic evaluations of cancer metabolism by NMR-based stable isotope tracer methodologies. *European Journal of Clinical Investigation*, **2015**, 45 Suppl 1, 37-43	4.6	12
115	Metabolic and Phenotypic Characterization of Human Skin Fibroblasts After Forcing Oxidative Capacity. *Toxicological Sciences*, **2018**, 164, 191-204	4.4	12
114	Protective Effect of Green Tea ((L.) Kuntze) against Prostate Cancer: From In Vitro Data to Algerian Patients. *Evidence-based Complementary and Alternative Medicine*, **2017**, 2017, 1691568	2.3	12
113	Targeting mitochondrial function for the treatment of breast cancer. *Future Medicinal Chemistry*, **2014**, 6, 1499-513	4.1	12
112	Toxicity evaluation of some traditional African spices on breast cancer cells and isolated rat hepatic mitochondria. *Food and Chemical Toxicology*, **2012**, 50, 4199-208	4.7	12
111	Endurance training improves gastrocnemius mitochondrial function despite increased susceptibility to permeability transition. *Mitochondrion*, **2009**, 9, 454-62	4.9	12
110	Vitamin E or coenzyme Q10 administration is not fully advantageous for heart mitochondrial function in diabetic goto kakizaki rats. *Mitochondrion*, **2004**, 3, 337-45	4.9	12
109	Drp1-mediated mitochondrial fission regulates calcium and F-actin dynamics during wound healing. *Biology Open*, **2020**, 9,	2.2	12
108	Carvedilol and antioxidant proteins in a type I diabetes animal model. *European Journal of Clinical Investigation*, **2017**, 47, 19-29	4.6	11
107	Measuring Mitochondrial Membrane Potential with a Tetraphenylphosphonium-Selective Electrode. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2015**, 65, 25.5.1-25.5.16	1	11

106	Mitochondrial bioenergetics of testicular cells from the domestic cat (Felis catus)-a model for endangered species. *Reproductive Toxicology*, **2009**, 27, 111-6	3.4	11
105	Inhibition of the adenine nucleotide translocator by N-acetyl perfluorooctane sulfonamides in vitro. *Toxicology and Applied Pharmacology*, **2008**, 227, 184-95	4.6	11
104	Improved efficiency of hepatic mitochondrial function in rats with cholestasis induced by an acute dose of alpha-naphthylisothiocyanate. *Toxicology and Applied Pharmacology*, **2002**, 182, 20-6	4.6	11
103	Evaluation of Respiration with Clark-Type Electrode in Isolated Mitochondria and Permeabilized Animal Cells. *Methods in Molecular Biology*, **2018**, 1782, 7-29	1.4	11
102	Cell-based assays seem not to accurately predict fish short-term toxicity of pesticides. *Environmental Pollution*, **2019**, 252, 476-482	9.3	10
101	Carriers for metal complexes on tumour cells: the effect of cyclodextrins vs CNTs on the model guest phenanthroline-5,6-dione trithiacyclononane ruthenium(II) chloride. *BioMetals*, **2014**, 27, 507-25	3.4	10
100	Mitochondrial preservation in Celsior versus histidine buffer solution during cardiac ischemia and reperfusion. *Cardiovascular Toxicology*, **2009**, 9, 185-93	3.4	10
99	Gender-dependent metabolic remodeling during heart preservation in cardioplegic celsior and histidine buffer solution. *Journal of Cardiovascular Pharmacology*, **2012**, 59, 151-7	3.1	10
98	Carvedilol in heart mitochondria: protonophore or opener of the mitochondrial K(ATP) channels?. *Life Sciences*, **2001**, 69, 123-32	6.8	10
97	Ipilimumab and vemurafenib: two different routes for targeting melanoma. *Current Cancer Drug Targets*, **2013**, 13, 879-94	2.8	10
96	Cancer cell metabolism: Rewiring the mitochondrial hub. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1867, 166016	6.9	10
95	Physical exercise positively modulates DOX-induced hepatic oxidative stress, mitochondrial dysfunction and quality control signaling. *Mitochondrion*, **2019**, 47, 103-113	4.9	9
94	Antioxidant Versus Pro-Apoptotic Effects of Mushroom-Enriched Diets on Mitochondria in Liver Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9
93	Acute effects of TCDD administration: special emphasis on testicular and sperm mitochondrial function. *Asian Pacific Journal of Reproduction*, **2012**, 1, 269-276	1.1	9
92	Esterification prevents induction of the mitochondrial permeability transition by N-acetyl perfluorooctane sulfonamides. *Chemical Research in Toxicology*, **2006**, 19, 1305-12	4	9
91	Protective effect of carvedilol on chenodeoxycholate induction of the permeability transition pore. *Biochemical Pharmacology*, **2001**, 61, 1449-54	6	9
90	Mitochondrial membrane lipids in life and death and their molecular modulation by diet: tuning the furnace. *Current Drug Targets*, **2014**, 15, 797-810	3	9
89	Advantages in the use of carvedilol versus propranolol for the protection of cardiac mitochondrial function. *Revista Portuguesa De Cardiologia*, **2004**, 23, 1291-8	1	9

88	Analysis of pro-apoptotic protein trafficking to and from mitochondria. *Methods in Molecular Biology*, **2015**, 1241, 163-80	1.4	8
87	TRAP1 regulates autophagy in lung cancer cells. *European Journal of Clinical Investigation*, **2018**, 48, e12900	4.6	8
86	Synthesis, Characterisation and Antiproliferative Studies of Allyl(dicarbonyl)(cyclopentadienyl)molybdenum Complexes and Cyclodextrin Inclusion Compounds. *European Journal of Inorganic Chemistry*, **2014**, 2014, 5034-5045	2.3	8
85	Differential immuno-reactivity to genomic DNA, RNA and mitochondrial DNA is associated with auto-immunity. *Cellular Physiology and Biochemistry*, **2014**, 34, 2200-8	3.9	8
84	In vitro salicylate does not further impair aging-induced brain mitochondrial dysfunction. *Toxicology* , **2012**, 302, 51-9	4.4	8
83	Biapigenin modulates the activity of the adenine nucleotide translocator in isolated rat brain mitochondria. *Neurotoxicity Research*, **2010**, 17, 75-90	4.3	8
82	Sub-chronic administration of doxorubicin to Wistar rats results in oxidative stress and unaltered apoptotic signaling in the lung. *Chemico-Biological Interactions*, **2010**, 188, 478-86	5	8
81	Reduction in cardiac mitochondrial calcium loading capacity is observable during alpha-naphthylisothiocyanate-induced acute cholestasis: a clue for hepatic-derived cardiomyopathies?. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2003**, 1637, 39-45	6.9	8
80	Insights into the Discovery of Novel Neuroprotective Agents: A Comparative Study between Sulfanylcinnamic Acid Derivatives and Related Phenolic Analogues. *Molecules*, **2019**, 24,	4.8	8
79	Cell quality control mechanisms maintain stemness and differentiation potential of P19 embryonic carcinoma cells. *Autophagy*, **2020**, 16, 313-333	10.2	8
78	Transfer of glucose hydrogens via acetyl-CoA, malonyl-CoA, and NADPH to fatty acids during de novo lipogenesis. *Journal of Lipid Research*, **2019**, 60, 2050-2056	6.3	7
77	Epigenetic engineering to reverse the Parkinson's expression state. *Parkinsonism and Related Disorders*, **2012**, 18, 717-21	3.6	7
76	Electrochemical Oxidation of Sanguinarine and of Its Oxidation Products at a Glassy Carbon Electrode Relevance to Intracellular Effects. *Electroanalysis*, **2010**, 22, 113-120	3	7
75	Shutting Down the Furnace: Preferential Killing of Cancer Cells with Mitochondrial-Targeting Molecules. *Current Medicinal Chemistry*, **2015**, 22, 2438-57	4.3	7
74	Mitochondria, oxidative stress and nonalcoholic fatty liver disease: A complex relationship. *European Journal of Clinical Investigation*, **2021**, e13622	4.6	7
73	Metabolic Disease Programming: From Mitochondria to Epigenetics, Glucocorticoid Signalling and Beyond. *European Journal of Clinical Investigation*, **2021**, 51, e13625	4.6	7
72	The Alterations of Mitochondrial Function during NAFLD Progression-An Independent Effect of Mitochondrial ROS Production. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
71	Desrisking the Cytotoxicity of a Mitochondriotropic Antioxidant Based on Caffeic Acid by a PEGylated Strategy. *Bioconjugate Chemistry*, **2018**, 29, 2723-2733	6.3	7

70	Screening-level evaluation of marine benthic dinoflagellates toxicity using mammalian cell lines. *Ecotoxicology and Environmental Safety*, **2020**, 195, 110465	7	6
69	Targeting Mitochondria: The Road to Mitochondriotropic Antioxidants and Beyond **2018**, 333-358		6
68	Combined effects of aging and in vitro non-steroid anti-inflammatory drugs on kidney and liver mitochondrial physiology. *Life Sciences*, **2013**, 93, 329-37	6.8	6
67	Adrenergic Over-Stimulation and Cardio-Myocyte Apoptosis: Two Receptors, One Organelle, Two Fates?. *Current Drug Targets*, **2014**, 15, 956-964	3	6
66	Maternal high-fat high-sucrose diet and gestational exercise modulate hepatic fat accumulation and liver mitochondrial respiratory capacity in mothers and male offspring. *Metabolism: Clinical and Experimental*, **2021**, 116, 154704	12.7	6
65	MOTS-c reduces myostatin and muscle atrophy signaling. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 320, E680-E690	6	6
64	Diet, Lifestyles, Family History, and Prostate Cancer Incidence in an East Algerian Patient Group. *BioMed Research International*, **2016**, 2016, 5730569	3	6
63	Bioisosteric OH- to SH-replacement changes the antioxidant profile of ferulic acid. *Organic and Biomolecular Chemistry*, **2019**, 17, 9646-9654	3.9	6
62	Fine-Tuning the Biological Profile of Multitarget Mitochondriotropic Antioxidants for Neurodegenerative Diseases. *Antioxidants*, **2021**, 10,	7.1	6
61	Early Cardiac Mitochondrial Molecular and Functional Responses to Acute Anthracycline Treatment in Wistar Rats. *Toxicological Sciences*, **2019**, 169, 137-150	4.4	5
60	SULFATION PATHWAYS: Potential benefits of a sulfated resveratrol derivative for topical application. *Journal of Molecular Endocrinology*, **2018**, 61, M27-M39	4.5	5
59	Electrochemical Behavior of a Mitochondria-Targeted Antioxidant at an Interface between Two Immiscible Electrolyte Solutions: An Alternative Approach to Study Lipophilicity. *Analytical Chemistry*, **2018**, 90, 7989-7996	7.8	5
58	Cholestasis induced by chronic treatment with alpha-naphthyl-isothiocyanate (ANIT) affects rat renal mitochondrial bioenergetics. *Archives of Toxicology*, **2003**, 77, 194-200	5.8	5
57	P-cadherin induces anoikis-resistance of matrix-detached breast cancer cells by promoting pentose phosphate pathway and decreasing oxidative stress. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165964	6.9	5
56	Mitochondria-targeted phenolic antioxidants induce ROS-protective pathways in primary human skin fibroblasts. *Free Radical Biology and Medicine*, **2021**, 163, 314-324	7.8	5
55	Evaluation of biological properties of 3,3$4,4$benzophenonetetracarboxylic dianhydride derivatives and their ability to inhibit hexokinase activity. *Bioorganic and Medicinal Chemistry Letters* , **2017**, 27, 427-431	2.9	4
54	Pharmacological Targeting of the Mitochondrial Permeability Transition Pore for Cardioprotection **2018**, 423-490		4
53	Edelfosine and perifosine disrupt hepatic mitochondrial oxidative phosphorylation and induce the permeability transition. *Mitochondrion*, **2013**, 13, 25-35	4.9	4

52	Long-term hyperglycaemia decreases gastrocnemius susceptibility to permeability transition. *European Journal of Clinical Investigation*, **2010**, 40, 319-29	4.6	4
51	Author response: Horizontal transfer of whole mitochondria restores tumorigenic potential in mitochondrial DNA-deficient cancer cells **2017**,		4
50	Development of a 96-well based assay for kinetic determination of catalase enzymatic-activity in biological samples. *Toxicology in Vitro*, **2020**, 69, 104996	3.6	4
49	Sex-dependent vulnerability of fetal nonhuman primate cardiac mitochondria to moderate maternal nutrient reduction. *Clinical Science*, **2021**, 135, 1103-1126	6.5	4
48	Glutaminolysis is a metabolic route essential for survival and growth of prostate cancer cells and a target of 5□dihydrotestosterone regulation. *Cellular Oncology (Dordrecht)*, **2021**, 44, 385-403	7.2	4
47	Toxicity of lupane derivatives on anionic membrane models, isolated rat mitochondria and selected human cell lines: Role of terminal alkyl chains. *Chemico-Biological Interactions*, **2018**, 296, 198-210	5	4
46	A mitochondria-targeted caffeic acid derivative reverts cellular and mitochondrial defects in human skin fibroblasts from male sporadic Parkinson□s disease patients. *Redox Biology*, **2021**, 45, 102037	11.3	4
45	Mitochondrial impairment and cytotoxicity effects induced by the marine epibenthic dinoflagellate Coolia malayensis. *Environmental Toxicology and Pharmacology*, **2020**, 77, 103379	5.8	3
44	Sources of hepatic glycogen synthesis in mice fed with glucose or fructose as the sole dietary carbohydrate. *Magnetic Resonance in Medicine*, **2019**, 81, 639-644	4.4	3
43	The Role of Glucosinolates from Cruciferous Vegetables (Brassicaceae) in Gastrointestinal Cancers: From Prevention to Therapeutics.. *Pharmaceutics*, **2022**, 14,	6.4	3
42	Doxorubicin persistently rewires cardiac circadian homeostasis in mice. *Archives of Toxicology*, **2020**, 94, 257-271	5.8	3
41	Refinement of a differentiation protocol using neuroblastoma SH-SY5Y cells for use in neurotoxicology research. *Food and Chemical Toxicology*, **2021**, 149, 111967	4.7	3
40	Exploratory Data Analysis of Cell and Mitochondrial High-Fat, High-Sugar Toxicity on Human HepG2 Cells. *Nutrients*, **2021**, 13,	6.7	3
39	□adrenergic over-stimulation and cardio-myocyte apoptosis: two receptors, one organelle, two fates?. *Current Drug Targets*, **2014**, 15, 956-64	3	3
38	Caffeic and Ferulic Acid Derivatives **2015**, 663-671		2
37	Regulating Mitochondrial Respiration in Cancer. *Cancer Drug Discovery and Development*, **2014**, 29-73	0.3	2
36	Carbon Monoxide-Neuroglobin Axis Targeting Metabolism Against Inflammation in BV-2 Microglial Cells. *Molecular Neurobiology*, **2021**, 59, 916	6.2	2
35	Mitochondriotropic antioxidant based on caffeic acid AntiOxCIN activates Nrf2-dependent antioxidant defenses and quality control mechanisms to antagonize oxidative stress-induced cell damage.. *Free Radical Biology and Medicine*, **2021**, 179, 119-119	7.8	2

34	Maternal obesity in sheep impairs foetal hepatic mitochondrial respiratory chain capacity. *European Journal of Clinical Investigation*, **2021**, 51, e13375	4.6	2
33	Pharmacological modulation of mitochondrial function during ischemia and reperfusion. *Revista Portuguesa De Cardiologia*, **2003**, 22, 407-29	1	2
32	Correspondence reply referring to the correspondence of Schirmer et al. (2019) received by Environmental Pollution regarding the publication Rodrigues et al. (2019). *Environmental Pollution*, **2019**, 254, 113059	9.3	1
31	Rat cardiomyocyte H9c2(2-1)-based sulforhodamine B assay as a promising in vitro method to assess the biological component of effluent toxicity. *Journal of Environmental Sciences*, **2020**, 96, 163-170	6.4	1
30	Protective role of necrostatin-1 in acute myocardial infarction. *European Journal of Clinical Investigation*, **2016**, 46, 99-100	4.6	1
29	Rapeseed oil-rich diet alters in vitro menadione and nimesulide hepatic mitochondrial toxicity. *Food and Chemical Toxicology*, **2013**, 60, 479-87	4.7	1
28	Exercise-Induced Protection Against Aging and Neurodegenerative Diseases **2015**, 309-321		1
27	Measuring p66Shc Signaling Pathway Activation and Mitochondrial Translocation in Cultured Cells. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2015**, 66, 25.6.1-25.6.21	1	1
26	Bridging the gap between nature and antioxidant setbacks: delivering caffeic acid to mitochondria. *Methods in Molecular Biology*, **2015**, 1265, 73-83	1.4	1
25	Biological insight, high-throughput datasets and the nature of neuro-degenerative disorders. *Current Drug Metabolism*, **2013**, 14, 814-8	3.5	1
24	Publicly stressing the role of mitochondria in NAFLD with(in) a sports event. *European Journal of Clinical Investigation*, **2020**, 50, e13234	4.6	1
23	Exposure to marine benthic dinoflagellate toxins may lead to mitochondrial dysfunction. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2021**, 240, 108937	3.2	1
22	Mildbr. and (Gaertn.) Dunal Extracts Decrease Doxorubicin Cytotoxicity on H9c2 Cardiomyoblasts. *Evidence-based Complementary and Alternative Medicine*, **2021**, 2021, 8858165	2.3	1
21	Mitochondrial and metabolic remodeling in human skin fibroblasts in response to glucose availability		1
20	Mitochondrial and metabolic remodeling in human skin fibroblasts in response to glucose availability.. *FEBS Journal*, **2022**,	5.7	1
19	Epigenetics in Doxorubicin Cardiotoxicity **2019**, 837-846		0
18	High sensitivity of rat cardiomyoblast H9c2(2-1) cells to Gambierdiscus toxic compounds. *Aquatic Toxicology*, **2020**, 223, 105475	5.1	0
17	Mitochondria in Liver Diseases **2018**, 91-126		0

16	Caffeine Cardiovascular Toxicity **2015**, 699-707		0
15	Quantitative analysis of neuronal mitochondrial movement reveals patterns resulting from neurotoxicity of rotenone and 6-hydroxydopamine. *FASEB Journal*, **2021**, 35, e22024	0.9	0
14	H9c2(2-1)-based sulforhodamine B assay as a possible alternative in vitro platform to investigate effluent and metals toxicity on fish. *Chemosphere*, **2021**, 275, 130009	8.4	0
13	Analysis of Proapoptotic Protein Trafficking to and from Mitochondria. *Methods in Molecular Biology*, **2021**, 2310, 161-178	1.4	0
12	Bridging the Gap Between Nature and Antioxidant Setbacks: Delivering Gallic Acid to Mitochondria. *Methods in Molecular Biology*, **2021**, 2275, 161-172	1.4	0
11	Redox profiles of Amyotrophic Lateral Sclerosis lymphoblasts with or without known SOD1 mutations.. *European Journal of Clinical Investigation*, **2022**, e13798	4.6	0
10	The pathophysiological role of cholecystokinin-1 receptor in mouse cholelithogenesis. *European Journal of Clinical Investigation*, **2017**, 47, 195-196	4.6	
9	Comment on Smycophenolic acid attenuates the tumour necrosis factor-a-mediated proinflammatory response in endothelial cells by blocking the MAPK/NF-B and ROS pathwaysSby Olejarz et al. *European Journal of Clinical Investigation*, **2015**, 45, 109-10	4.6	
8	In Vitro Methodologies to Investigate Drug-Induced Toxicities **2018**, 229-247		
7	Mitochondrial Toxicity Induced by Chemotherapeutic Drugs **2018**, 593-612		
6	Introduction: Mitochondria, the Cell Furnaces **2018**, 3-9		
5	Decreasing doxorubicin-induced cardiotoxicity with Nigella sativa seed extract: Traditional medicine targeting a severe clinical problem. *Revista Portuguesa De Cardiologia*, **2021**, 41, 107-107	1	
4	Cardiac Mitochondrial Calcium Loading Capacity Is Severely Affected after Chronic Cholestasis in Wistar Rats. *Journal of Investigative Medicine*, **2003**, 51, 86-94	2.9	
3	Vital imaging of multicellular spheroids. *Methods in Molecular Biology*, **2014**, 1075, 227-41	1.4	
2	Cardiovascular Toxicity of Mitochondrial Origin203-234		
1	Design and synthesis of chromone-based monoamine oxidase B inhibitors with improved drug-like properties. *European Journal of Medicinal Chemistry*, **2022**, 114507	6.8	