Carlos M Palmeira

List of Publications by Year
in descending order

166 papers	10,367 citations	66343 42 h-index	36028 97 g-index
174 all docs	174 docs citations	174 times ranked	15833 citing authors

#	Article	IF	Citations
1	SIRT1 Is Required for AMPK Activation and the Beneficial Effects of Resveratrol on Mitochondrial Function. Cell Metabolism, 2012, 15, 675-690.	16.2	1,251
2	Declining NAD+ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. Cell, 2013, 155, 1624-1638.	28.9	1,134
3	Diabetes and mitochondrial function: Role of hyperglycemia and oxidative stress. Toxicology and Applied Pharmacology, 2006, 212, 167-178.	2.8	804
4	Role of oxidative stress in the pathogenesis of nonalcoholic steatohepatitis. Free Radical Biology and Medicine, 2012, 52, 59-69.	2.9	743
5	Regulation of the mPTP by SIRT3-mediated deacetylation of CypD at lysine 166 suppresses age-related cardiac hypertrophy. Aging, 2010, 2, 914-923.	3.1	462
6	Reactive oxygen species, nutrition, hypoxia and diseases: Problems solved?. Redox Biology, 2015, 6, 372-385.	9.0	279
7	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162.	9.0	242
8	Mitochondrial and metabolic dysfunction in ageing and age-related diseases. Nature Reviews Endocrinology, 2022, 18, 243-258.	9.6	225
9	Assessment of the toxicity of silver nanoparticles in vitro: A mitochondrial perspective. Toxicology in Vitro, 2011, 25, 664-670.	2.4	197
10	Doxorubicin-induced persistent oxidative stress to cardiac myocytes. Toxicology Letters, 2001, 121, 151-157.	0.8	190
11	Mitochondrially-mediated toxicity of bile acids. Toxicology, 2004, 203, 1-15.	4.2	180
12	Berberine protects against high fat diet-induced dysfunction in muscle mitochondria by inducing SIRT1-dependent mitochondrial biogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 185-195.	3.8	155
13	Bile Acids Affect Liver Mitochondrial Bioenergetics: Possible Relevance for Cholestasis Therapy. Toxicological Sciences, 2000, 57, 177-185.	3.1	143
14	Cardioselective and cumulative oxidation of mitochondrial DNA following subchronic doxorubicin administration. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 201-205.	1.0	134
15	Interactions of Herbicides 2,4-D and Dinoseb with Liver Mitochondrial Bioenergetics. Toxicology and Applied Pharmacology, 1994, 127, 50-57.	2.8	120
16	The Role of microRNAs in Mitochondria: Small Players Acting Wide. Genes, 2014, 5, 865-886.	2.4	116
17	Mitohormesis and metabolic health: The interplay between ROS, cAMP and sirtuins. Free Radical Biology and Medicine, 2019, 141, 483-491.	2.9	115
18	Hyperglycemia decreases mitochondrial function: The regulatory role of mitochondrial biogenesis. Toxicology and Applied Pharmacology, 2007, 225, 214-220.	2.8	114

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19	The P2X7 receptor antagonist Brilliant Blue G attenuates contralateral rotations in a rat model of Parkinsonism through a combined control of synaptotoxicity, neurotoxicity and gliosis. Neuropharmacology, 2014, 81, 142-152.	4.1	104
20	Hepatic FXR: key regulator of whole-body energy metabolism. Trends in Endocrinology and Metabolism, 2011, 22, 458-466.	7.1	103
21	Metabolic remodeling associated with subchronic doxorubicin cardiomyopathy. Toxicology, 2010, 270, 92-98.	4.2	102
22	Berberine reverts hepatic mitochondrial dysfunction in high-fat fed rats: A possible role for SirT3 activation. Mitochondrion, 2013, 13, 637-646.	3.4	93
23	Differential alterations in mitochondrial function induced by a choline-deficient diet: Understanding fatty liver disease progression. Mitochondrion, 2008, 8, 367-376.	3.4	91
24	Preferential oxidation of cardiac mitochondrial DNA following acute intoxication with doxorubicin. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1321, 101-106.	1.0	88
25	Benzoquinone Inhibits the Voltage-Dependent Induction of the Mitochondrial Permeability Transition Caused by Redox-Cycling Naphthoquinones. Toxicology and Applied Pharmacology, 1997, 143, 338-347.	2.8	76
26	Title is missing!. Molecular and Cellular Biochemistry, 2003, 246, 163-170.	3.1	76
27	Therapeutic Options Targeting Oxidative Stress, Mitochondrial Dysfunction and Inflammation to Hinder the Progression of Vascular Complications of Diabetes. Frontiers in Physiology, 2018, 9, 1857.	2.8	75
28	Thiols metabolism is altered by the herbicides paraquat, dinoseb and 2,4-D: A study in isolated hepatocytes. Toxicology Letters, 1995, 81, 115-123.	0.8	74
29	Enhanced permeability transition explains the reduced calcium uptake in cardiac mitochondria from streptozotocin-induced diabetic rats. FEBS Letters, 2003, 554, 511-514.	2.8	72
30	Brain and liver mitochondria isolated from diabeticGoto-Kakizaki rats show different susceptibility to induced oxidative stress. Diabetes/Metabolism Research and Reviews, 2001, 17, 223-230.	4.0	68
31	Mitochondrial bioenergetics is affected by the herbicide paraquat. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1229, 187-192.	1.0	66
32	The Emerging Role of MitomiRs in the Pathophysiology of Human Disease. Advances in Experimental Medicine and Biology, 2015, 888, 123-154.	1.6	65
33	Determination of 8-Hydroxydeoxyguanosine in Biological Tissue by Liquid Chromatography/Electrospray Ionization-Mass Spectrometry/Mass Spectrometry. , 1996, 10, 1789-1791.		63
34	Role of Mitochondrial Dysfunction in Combined Bile Acid-Induced Cytotoxicity: The Switch Between Apoptosis and Necrosis. Toxicological Sciences, 2004, 79, 196-204.	3.1	63
35	The NAD ratio redox paradox: why does too much reductive power cause oxidative stress?. Toxicology Mechanisms and Methods, 2013, 23, 297-302.	2.7	62
36	Altered mitochondrial metabolism in the insulinâ€resistant heart. Acta Physiologica, 2020, 228, e13430.	3.8	56

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37	Enhancement of brown fat thermogenesis using chenodeoxycholic acid in mice. International Journal of Obesity, 2014, 38, 1027-1034.	3.4	55
38	Continuous monitoring of mitochondrial membrane potential in hepatocyte cell suspensions. Journal of Pharmacological and Toxicological Methods, 1996, 35, 35-43.	0.7	54
39	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, 113-120.	3.8	53
40	Enhanced mitochondrial testicular antioxidant capacity in Goto-Kakizaki diabetic rats: role of coenzyme Q. American Journal of Physiology - Cell Physiology, 2001, 281, C1023-C1028.	4.6	52
41	Mitochondrially mediated synergistic cell killing by bile acids. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2003, 1637, 127-132.	3.8	51
42	Diabetes and mitochondrial bioenergetics: Alterations with age. Journal of Biochemical and Molecular Toxicology, 2003, 17, 214-222.	3.0	49
43	The metabolic profile of mitoxantrone and its relation with mitoxantrone-induced cardiotoxicity. Archives of Toxicology, 2013, 87, 1809-1820.	4.2	49
44	Enhanced ATP release and CD73â€mediated adenosine formation sustain adenosine A_{2A} receptor overâ€activation in a rat model of Parkinson's disease. British Journal of Pharmacology, 2019, 176, 3666-3680.	5.4	42
45	Mitochondria a key role in microcystin-LR kidney intoxication. Journal of Applied Toxicology, 2008, 28, 55-62.	2.8	40
46	Role of aldehyde dehydrogenase 2 in ischemia reperfusion injury: An update. World Journal of Gastroenterology, 2018, 24, 2984-2994.	3.3	40
47	Indirubin-3â€²-oxime prevents hepatic I/R damage by inhibiting GSK-3Î² and mitochondrial permeability transition. Mitochondrion, 2010, 10, 456-463.	3.4	39
48	Mitochondrial Membrane Potential (Î”Î¨) Fluctuations Associated with the Metabolic States of Mitochondria. Methods in Molecular Biology, 2018, 1782, 109-119.	0.9	39
49	Membrane lipid peroxidation induces changes in Î³-[3H]aminobutyric acid transport and calcium uptake by synaptosomes. Brain Research, 1993, 609, 117-123.	2.2	38
50	Exposure to decabromodiphenyl ether (BDE-209) produces mitochondrial dysfunction in rat liver and cell death. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 1129-1144.	2.3	38
51	miR-378a: a new emerging microRNA in metabolism. Cellular and Molecular Life Sciences, 2020, 77, 1947-1958.	5.4	38
52	Bile Acids Are Toxic for Isolated Cardiac Mitochondria: A Possible Cause for Hepatic-Derived Cardiomyopathies?. Cardiovascular Toxicology, 2005, 5, 063-074.	2.7	37
53	Mitochondrial Cumulative Damage Induced by Mitoxantrone: Late Onset Cardiac Energetic Impairment. Cardiovascular Toxicology, 2014, 14, 30-40.	2.7	37
54	Low-dose, subchronic exposure to silver nanoparticles causes mitochondrial alterations in Spragueâ€“Dawley rats. Nanomedicine, 2016, 11, 1359-1375.	3.3	37

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55	Protection against post-ischemic mitochondrial injury in rat liver by silymarin or TUDC. Hepatology Research, 2003, 26, 217-224.	3.4	36
56	Prevention of I/R injury in fatty livers by ischemic preconditioning is associated with increased mitochondrial tolerance: the key role of ATPsynthase and mitochondrial permeability transition. Transplant International, 2009, 22, 1081-1090.	1.6	36
57	Decreased susceptibility to lipid peroxidation of Goto-Kakizaki rats: Relationship to mitochondrial antioxidant capacity. Life Sciences, 1999, 65, 1013-1025.	4.3	35
58	Nerolidol effects on mitochondrial and cellular energetics. Toxicology in Vitro, 2012, 26, 189-196.	2.4	35
59	Uncovering the beginning of diabetes: the cellular redox status and oxidative stress as starting players in hyperglycemic damage. Molecular and Cellular Biochemistry, 2013, 376, 103-110.	3.1	32
60	Mitochondrial Membrane Potential (Î”Î¨) Fluctuations Associated with the Metabolic States of Mitochondria. Methods in Molecular Biology, 2012, 810, 89-101.	0.9	31
61	Therapeutic Concentrations of Mitoxantrone Elicit Energetic Imbalance in H9c2 Cells as an Earlier Event. Cardiovascular Toxicology, 2013, 13, 413-425.	2.7	31
62	Mercuric chloride toxicity in rat liver mitochondria and isolated hepatocytes. Environmental Toxicology and Pharmacology, 1997, 3, 229-235.	4.0	30
63	Decreased Susceptibility of Heart Mitochondria from Diabetic GK Rats to Mitochondrial Permeability Transition Induced by Calcium Phosphate. Bioscience Reports, 2001, 21, 45-53.	2.4	30
64	Chenodeoxycholate induction of mitochondrial permeability transition pore is associated with increased membrane fluidity and cytochrome c release: protective role of carvedilol. Mitochondrion, 2003, 2, 305-311.	3.4	27
65	Exposure to dibenzofuran triggers autophagy in lung cells. Toxicology Letters, 2012, 209, 35-42.	0.8	27
66	Evaluation of Polybrominated Diphenyl Ether Toxicity on HepG2 Cells â€“ Hexabrominated Congener (<scp>BDE</scp>â€•154) Is Less Toxic than Tetrabrominated Congener (<scp>BDE</scp>â€•47). Basic and Clinical Pharmacology and Toxicology, 2016, 119, 485-497.	2.5	27
67	Interactions of combined bile acids on hepatocyte viability: cytoprotection or synergism. Toxicology Letters, 2002, 126, 197-203.	0.8	26
68	Evaluation of olive oil mill wastewater toxicity on the mitochondrial bioenergetics after treatment with Candida oleophila. Ecotoxicology and Environmental Safety, 2008, 70, 266-275.	6.0	26
69	High-fat and obesogenic diets: current and future strategies to fight obesity and diabetes. Genes and Nutrition, 2014, 9, 406.	2.5	26
70	Recent insights into mitochondrial targeting strategies in liver transplantation. International Journal of Medical Sciences, 2018, 15, 248-256.	2.5	26
71	Decreased ANT content in Zucker fatty rats: Relevance for altered hepatic mitochondrial bioenergetics in steatosis. FEBS Letters, 2006, 580, 2153-2157.	2.8	25
72	Regulation of Mitochondrial Function and its Impact in Metabolic Stress. Current Medicinal Chemistry, 2015, 22, 2468-2479.	2.4	25

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73	Polyethylene Glycol 35 as a Perfusate Additive for Mitochondrial and Glycocalyx Protection in HOPE Liver Preservation. International Journal of Molecular Sciences, 2020, 21, 5703.	4.1	24
74	Carvedilol Inhibits the Mitochondrial Permeability Transition by an Antioxidant Mechanism. Cardiovascular Toxicology, 2004, 4, 11-20.	2.7	23
75	Indirubin-3â€²-oxime impairs mitochondrial oxidative phosphorylation and prevents mitochondrial permeability transition induction. Toxicology and Applied Pharmacology, 2008, 233, 179-185.	2.8	23
76	Unacylated ghrelin prevents mitochondrial dysfunction in a model of ischemia/reperfusion liver injury. Cell Death Discovery, 2017, 3, 17077.	4.7	23
77	The yin and yang faces of the mitochondrial deacetylase sirtuin 3 in age-related disorders. Ageing Research Reviews, 2020, 57, 100983.	10.9	23
78	Higher efficiency of the liver phosphorylative system in diabetic Goto-Kakizaki (GK) rats. FEBS Letters, 1999, 458, 103-106.	2.8	22
79	Inhibitory effect of carvedilol in the high-conductance state of the mitochondrial permeability transition pore. European Journal of Pharmacology, 2001, 412, 231-237.	3.5	22
80	Fatty Liver and Ischemia/Reperfusion: Are there Drugs Able to Mitigate Injury?. Current Medicinal Chemistry, 2011, 18, 4987-5002.	2.4	22
81	Sirtuin 1 in rat orthotopic liver transplantation: An IGL-1 preservation solution approach. World Journal of Gastroenterology, 2015, 21, 1765.	3.3	22
82	Chenodeoxycholate Is a Potent Inducer of the Permeability Transition Pore in Rat Liver Mitochondria. Bioscience Reports, 2001, 21, 73-80.	2.4	21
83	Carvedilol Reduces Mitochondrial Damage Induced by Hypoxanthine/Xanthine Oxidase: Relevance to Hypoxia/Reoxygenation Injury. Cardiovascular Toxicology, 2001, 1, 205-214.	2.7	21
84	An autophagic process is activated in HepG2 cells to mediate BDE-100-induced toxicity. Toxicology, 2017, 376, 59-65.	4.2	21
85	Indirubin and NAD⁺ prevent mitochondrial ischaemia/reperfusion damage in fatty livers. European Journal of Clinical Investigation, 2018, 48, e12932.	3.4	21
86	Aldehyde Dehydrogenase 2 (ALDH2) in Rat Fatty Liver Cold Ischemia Injury. International Journal of Molecular Sciences, 2018, 19, 2479.	4.1	21
87	Partitioning and membrane disordering effects of dopamine antagonists: Influence of lipid peroxidation, temperature, and drug concentration. Archives of Biochemistry and Biophysics, 1992, 295, 161-171.	3.0	20
88	Regulation of Mitochondrial Biogenesis in Metabolic Syndrome. Current Drug Targets, 2011, 12, 872-878.	2.1	20
89	Alterations of liver mitochondrial bioenergetics in diabetic Goto-Kakizaki rats. Metabolism: Clinical and Experimental, 1999, 48, 1115-1119.	3.4	19
90	Disruption of Mitochondrial Calcium Homeostasis after Chronic Î±-Naphthylisothiocyanate Administration: Relevance for Cholestasis. Journal of Investigative Medicine, 2002, 50, 193-200.	1.6	19

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91	DNA Break-Induced Epigenetic Drift as a Cause of Mammalian Aging. SSRN Electronic Journal, 0, , .	0.4	19
92	Biosensor plates detect mitochondrial physiological regulators and mutations in vivo. Analytical Biochemistry, 2009, 385, 176-178.	2.4	18
93	Mitochondrial bioenergetics and posthepatectomy liver dysfunction. European Journal of Clinical Investigation, 2016, 46, 627-635.	3.4	18
94	The bile acid chenodeoxycholic acid directly modulates metabolic pathways in white adipose tissue <i>in vitro</i>: insight into how bile acids decrease obesity. NMR in Biomedicine, 2016, 29, 1391-1402.	2.8	18
95	Histological changes and impairment of liver mitochondrial bioenergetics after long-term treatment with Î±-naphthyl-isothiocyanate (ANIT). Toxicology, 2003, 190, 185-196.	4.2	17
96	GSK3Î² and VDAC Involvement in ER Stress and Apoptosis Modulation during Orthotopic Liver Transplantation. International Journal of Molecular Sciences, 2017, 18, 591.	4.1	17
97	Shaping of Hepatic Ischemia/Reperfusion Events: The Crucial Role of Mitochondria. Cells, 2022, 11, 688.	4.1	17
98	Metabolic alterations in hepatocytes promoted by the herbicides paraquat, dinoseb and 2,4-D. Archives of Toxicology, 1994, 68, 24.	4.2	16
99	Vitamin E or coenzyme Q10 administration is not fully advantageous for heart mitochondrial function in diabetic goto kakizaki rats. Mitochondrion, 2004, 3, 337-345.	3.4	15
100	Antioxidant capacity and toxicological evaluation of<i>Pterospartum tridentatum</i>flower extracts. CYTA - Journal of Food, 2012, 10, 92-102.	1.9	15
101	Dibenzofuran-induced mitochondrial dysfunction: Interaction with ANT carrier. Toxicology in Vitro, 2013, 27, 2160-2168.	2.4	15
102	PPAR<i>Î±</i>Agonist WY-14643 Induces SIRT1 Activity in Rat Fatty Liver Ischemia-Reperfusion Injury. BioMed Research International, 2015, 2015, 1-7.	1.9	15
103	Role of PEG35, Mitochondrial ALDH2, and Glutathione in Cold Fatty Liver Graft Preservation: An IGL-2 Approach. International Journal of Molecular Sciences, 2021, 22, 5332.	4.1	15
104	Mitochondria in Excitatory and Inhibitory Synapses have Similar Susceptibility to Amyloid-Î² Peptides Modeling Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 525-536.	2.6	14
105	Lack of Additive Effects of Resveratrol and Energy Restriction in the Treatment of Hepatic Steatosis in Rats. Nutrients, 2017, 9, 737.	4.1	14
106	Cytoprotective Mechanisms in Fatty Liver Preservation against Cold Ischemia Injury: A Comparison between IGL-1 and HTK. International Journal of Molecular Sciences, 2018, 19, 348.	4.1	14
107	Stimulation of cell invasion by the Golgi Ion Channel GAAP/TMBIM4 via an H2O2-Dependent Mechanism. Redox Biology, 2020, 28, 101361.	9.0	14
108	Effects of paraquat, dinoseb and 2,4-D on intracellular calcium and on vasopressin-induced calcium mobilization in isolated hepatocytes. Archives of Toxicology, 1995, 69, 460-466.	4.2	13

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109	Acrylic Acid Induces the Glutathione-Independent Mitochondrial Permeability Transitionin Vitro. Toxicological Sciences, 1998, 43, 19-27.	3.1	13
110	Age-related alterations in liver mitochondrial bioenergetics of diabetic Goto-Kakizaki rats. Acta Diabetologica, 1999, 36, 173-177.	2.5	13
111	Carvedilol in heart mitochondria. Life Sciences, 2001, 69, 123-132.	4.3	13
112	Cumulative Mitoxantroneâ€‑Induced Haematological and Hepatic Adverse Effects in a Subchronic <i>In vivo</i> Study. Basic and Clinical Pharmacology and Toxicology, 2014, 114, 254-262.	2.5	13
113	Impairment of mitochondrial energy metabolism of two marine fish by in vitro mercuric chloride exposure. Marine Pollution Bulletin, 2015, 97, 488-493.	5.0	13
114	Mitochondrial damage and apoptosis: Key features in BDE-153-induced hepatotoxicity. Chemico-Biological Interactions, 2018, 291, 192-201.	4.0	13
115	HERBICIDE-INDUCED MITOCHONDRIAL AND CELLULAR LIVER TOXICITY: A REVIEW OF PARAQUAT, DINOSEB, AND 2, 4-D EFFECTS. Toxic Substance Mechanisms, 1999, 18, 187-204.	0.3	12
116	Exposure to dibenzofuran affects lung mitochondrial functionin vitro. Toxicology Mechanisms and Methods, 2011, 21, 571-576.	2.7	12
117	Addition of Berberine to Preservation Solution in an Animal Model of Ex Vivo Liver Transplant Preserves Mitochondrial Function and Bioenergetics from the Damage Induced by Ischemia/Reperfusion. International Journal of Molecular Sciences, 2018, 19, 284.	4.1	12
118	Improved Efficiency of Hepatic Mitochondrial Function in Rats with Cholestasis Induced by an Acute Dose of Î±-Naphthylisothiocyanate. Toxicology and Applied Pharmacology, 2002, 182, 20-26.	2.8	11
119	Differential Sex, Morphotype and Tissue Accumulation of Mercury in the Crab Carcinus maenas. Water, Air, and Soil Pollution, 2011, 222, 65-75.	2.4	11
120	Losartan activates sirtuin 1 in rat reduced-size orthotopic liver transplantation. World Journal of Gastroenterology, 2015, 21, 8021.	3.3	11
121	Biochemical and physiological responses of Carcinus maenas to temperature and the fungicide azoxystrobin. Chemosphere, 2015, 132, 127-134.	8.2	10
122	Hepatic and skeletal muscle mitochondrial toxicity of chitosan oligosaccharides of normal and diabetic rats. Toxicology Mechanisms and Methods, 2016, 26, 650-657.	2.7	10
123	Adenosine receptors: regulatory players in the preservation of mitochondrial function induced by ischemic preconditioning of rat liver. Purinergic Signalling, 2017, 13, 179-190.	2.2	10
124	Blueberry Counteracts Prediabetes in a Hypercaloric Diet-Induced Rat Model and Rescues Hepatic Mitochondrial Bioenergetics. Nutrients, 2021, 13, 4192.	4.1	10
125	Induction of the Mitochondrial Permeability Transition in Vitro by Short-Chain Carboxylic Acids. Biochemical and Biophysical Research Communications, 2000, 272, 431-435.	2.1	9
126	Protective effect of carvedilol on chenodeoxycholate induction of the permeability transition pore11Abbreviations: CyA, cyclosporine A; CDCA, chenodeoxycholic acid; PTP, permeability transition pore; TPP+, tetraphenylphosphonium; and ÎÎ¨, transmembrane electric potential.. Biochemical Pharmacology, 2001, 61, 1449-1454.	4.4	9

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127	Reduction in cardiac mitochondrial calcium loading capacityÂis observableÂduring Î±-naphthylisothiocyanate-induced acute cholestasis: a clue for hepatic-derived cardiomyopathies?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2003, 1637, 39-45.	3.8	9
128	Exposure to BDE-153 induces autophagy in HepG2 cells. Toxicology in Vitro, 2017, 42, 61-68.	2.4	9
129	Bioenergetic adaptations of the human liver in the ALPPS procedure â€" how liver regeneration correlates with mitochondrial energy status. Hpb, 2017, 19, 1091-1103.	0.3	9
130	miR-378a-3p Participates in Metforminâ€™s Mechanism of Action on C2C12 Cells under Hyperglycemia. International Journal of Molecular Sciences, 2021, 22, 541.	4.1	8
131	Mild hypothermia during the reperfusion phase protects mitochondrial bioenergetics against ischemia-reperfusion injury in an animal model of ex-vivo liver transplantationâ€"an experimental study. International Journal of Medical Sciences, 2019, 16, 1304-1312.	2.5	7
132	PEG35 as a Preconditioning Agent against Hypoxia/Reoxygenation Injury. International Journal of Molecular Sciences, 2022, 23, 1156.	4.1	7
133	Cholestasis induced by chronic treatment with Î±-naphthyl-isothiocyanate (ANIT) affects rat renal mitochondrial bioenergetics. Archives of Toxicology, 2003, 77, 194-200.	4.2	6
134	Mitochondrial Dysfunction in Reproductive and Developmental Toxicity. , 2017, , 1023-1035.		6
135	The potential role of sestrin 2 in liver regeneration. Free Radical Biology and Medicine, 2021, 163, 255-267.	2.9	6
136	Sestrin2 and mitochondrial quality control: Potential impact in myogenic differentiation. Ageing Research Reviews, 2021, 67, 101309.	10.9	6
137	The Evaluation of Mitochondrial Membrane Potential Using Fluorescent Dyes or a Membrane-Permeable Cation (TPP+) Electrode in Isolated Mitochondria and Intact Cells. Methods in Molecular Biology, 2020, 2184, 197-213.	0.9	6
138	Evaluation of bioenergetic and mitochondrial function in liver transplantation. Clinical and Molecular Hepatology, 2019, 25, 190-198.	8.9	6
139	Chenodeoxycholic Acid Has Non-Thermogenic, Mitodynamic Anti-Obesity Effects in an In Vitro CRISPR/Cas9 Model of Bile Acid Receptor TGR5 Knockdown. International Journal of Molecular Sciences, 2021, 22, 11738.	4.1	6
140	Exposure to 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin and tetraethyl lead affects lung mitochondria bioenergetics. Toxicology Mechanisms and Methods, 2010, 20, 1-6.	2.7	5
141	Determination of Oxidative Phosphorylation Complexes Activities. Methods in Molecular Biology, 2015, 1241, 71-84.	0.9	5
142	IGL-2 as a Unique Solution for Cold Static Preservation and Machine Perfusion in Liver and Mitochondrial Protection. Transplantation Proceedings, 2022, 54, 73-76.	0.6	5
143	Liver Graft Hypothermic Static and Oxygenated Perfusion (HOPE) Strategies: A Mitochondrial Crossroads. International Journal of Molecular Sciences, 2022, 23, 5742.	4.1	5
144	CHOLESTASIS AND MITOCHONDRIAL DYSFUNCTION: A REVIEW. Toxic Substance Mechanisms, 2000, 19, 83-98.	0.3	4

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145	Mitochondria in Liver Regeneration: Energy Metabolism and Posthepatectomy Liver Dysfunction. , 2018, , 127-152.		4
146	Blueberry Consumption Challenges Hepatic Mitochondrial Bioenergetics and Elicits Transcriptomics Reprogramming in Healthy Wistar Rats. Pharmaceutics, 2020, 12, 1094.	4.5	4
147	Mitochondrial Function Is Not Affected by Renal Morphological Changes in Diabetic Goto-Kakizaki Rat. Toxicology Mechanisms and Methods, 2005, 15, 253-261.	2.7	3
148	Estimating gluconeogenesis by NMR isotopomer distribution analysis of [¹³C]bicarbonate and [1â€¹³C]lactate. NMR in Biomedicine, 2008, 21, 337-344.	2.8	3
149	Ursodeoxycholic acid treatment of hepatic steatosis: a ¹³C NMR metabolic study. NMR in Biomedicine, 2011, 24, 1145-1158.	2.8	3
150	Exploration of the cellular effects of the high-dose, long-term exposure to coffee roasting product furan and its by-product <i>cis</i>-2-butene-1,4-dial on human and rat hepatocytes. Toxicology Mechanisms and Methods, 2020, 30, 536-545.	2.7	3
151	The Use of a Single, Novel Preservation Solution in Split Liver Transplantation and Hypothermic Oxygenated Machine Perfusion. Transplantation, 2022, 106, e187-e188.	1.0	3
152	Mitochondrial Bioenergetics, Diabetes, and Aging: Top-Down Analysis Using the Diabetic Goto-Kakizaki (GK) Rat as a Model. Toxicology Mechanisms and Methods, 2006, 16, 323-330.	2.7	2
153	Mitochondria as a Target for Safety and Toxicity Evaluation of Nutraceuticals. , 2016, , 387-400.		2
154	The Soluble Adenylyl Cyclase Inhibitor LRE1 Prevents Hepatic Ischemia/Reperfusion Damage Through Improvement of Mitochondrial Function. International Journal of Molecular Sciences, 2020, 21, 4896.	4.1	2
155	Mitochondrial dysfunction in reproductive and developmental toxicity. , 2011, , 815-824.		1
156	Biomarkers of mitochondrial dysfunction and toxicity. , 2014, , 847-861.		1
157	S10.26 Nerolidol disturbe mitochondrial bioenergetic but delay the permeability transition pore due a membrane antioxidant protective effect. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S64.	1.0	0
158	Therapeutic concentrations of mitoxantrone elicit cytotoxic effects on H9c2 cells. Toxicology Letters, 2011, 205, S56.	0.8	0
159	Editorial (Thematic issue): Metabolic Diseases: Drugs and Mitochondrial Targets. Current Medicinal Chemistry, 2015, 22, 2406-2406.	2.4	0
160	Correspondence. British Journal of Surgery, 2018, 106, 152-152.	0.3	0
161	Research update for articles published in <scp>EJCI</scp> in 2016. European Journal of Clinical Investigation, 2018, 48, e13016.	3.4	0
162	Biomarkers of Mitochondrial Dysfunction and Toxicity. , 2019, , 981-996.		0

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163	Determination of Oxidative Phosphorylation Complexes Activities. Methods in Molecular Biology, 2021, 2310, 17-31.	0.9	0
164	Mitohormesis. , 2021, , 729-746.		0
165	Cardiac Mitochondrial Calcium Loading Capacity Is Severely Affected after Chronic Cholestasis in Wistar Rats. Journal of Investigative Medicine, 2003, 51, 86-94.	1.6	0
166	Mitochondrial dysfunction in reproductive and developmental toxicity. , 2022, , 1103-1116.		0