

Jamal Bouitbir

List of Publications by Year in descending order

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73
papers

2,154
citations

230014

27
h-index

286692

43
g-index

77
all docs

77
docs citations

77
times ranked

3524
citing authors

#	ARTICLE	IF	CITATIONS
1	Opposite effects of statins on mitochondria of cardiac and skeletal muscles: a "mitohormesis"™ mechanism involving reactive oxygen species and PGC-1. <i>European Heart Journal</i> , 2012, 33, 1397-1407.	1.0	203
2	Mechanisms of Hepatocellular Toxicity Associated with Dronedarone" A Comparison to Amiodarone. <i>Toxicological Sciences</i> , 2013, 131, 480-490.	1.4	104
3	Reductive stress impairs myoblasts mitochondrial function and triggers mitochondrial hormesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1574-1585.	1.9	80
4	Hepatocellular Toxicity Associated with Tyrosine Kinase Inhibitors: Mitochondrial Damage and Inhibition of Glycolysis. <i>Frontiers in Pharmacology</i> , 2017, 8, 367.	1.6	78
5	Mechanisms of statin-associated skeletal muscle-associated symptoms. <i>Pharmacological Research</i> , 2020, 154, 104201.	3.1	77
6	Statins Trigger Mitochondrial Reactive Oxygen Species-Induced Apoptosis in Glycolytic Skeletal Muscle. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 84-98.	2.5	75
7	Mitochondria: Mitochondrial participation in ischemia" reperfusion injury in skeletal muscle. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 101-105.	1.2	71
8	The AKT/mTOR signaling pathway plays a key role in statin-induced myotoxicity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1841-1849.	1.9	70
9	Atorvastatin treatment reduces exercise capacities in rats: involvement of mitochondrial impairments and oxidative stress. <i>Journal of Applied Physiology</i> , 2011, 111, 1477-1483.	1.2	69
10	Hepatocellular Toxicity of Imidazole and Triazole Antimycotic Agents. <i>Toxicological Sciences</i> , 2017, 157, 183-195.	1.4	58
11	Effect of postconditioning on mitochondrial dysfunction in experimental aortic cross-clamping. <i>British Journal of Surgery</i> , 2011, 98, 511-516.	0.1	49
12	Mechanisms of toxicity associated with six tyrosine kinase inhibitors in human hepatocyte cell lines. <i>Journal of Applied Toxicology</i> , 2018, 38, 418-431.	1.4	48
13	Mechanisms of mitochondrial toxicity of the kinase inhibitors ponatinib, regorafenib and sorafenib in human hepatic HepG2 cells. <i>Toxicology</i> , 2018, 395, 34-44.	2.0	47
14	Remote and local ischemic preconditioning equivalently protects rat skeletal muscle mitochondrial function during experimental aortic cross-clamping. <i>Journal of Vascular Surgery</i> , 2012, 55, 497-505.e1.	0.6	45
15	Skeletal muscle mitochondrial dysfunction precedes right ventricular impairment in experimental pulmonary hypertension. <i>Molecular and Cellular Biochemistry</i> , 2013, 373, 161-170.	1.4	44
16	Mitochondria of trained skeletal muscle are protected from deleterious effects of statins. <i>Muscle and Nerve</i> , 2012, 46, 367-373.	1.0	43
17	Dynein mutations associated with hereditary motor neuropathies impair mitochondrial morphology and function with age. <i>Neurobiology of Disease</i> , 2013, 58, 220-230.	2.1	40
18	Simvastatin induces mitochondrial dysfunction and increased atrogin-1 expression in H9c2 cardiomyocytes and mice in vivo. <i>Archives of Toxicology</i> , 2016, 90, 203-215.	1.9	40

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19	Muscles Susceptibility to Ischemia-Reperfusion Injuries Depends on Fiber Type Specific Antioxidant Level. <i>Frontiers in Physiology</i> , 2017, 8, 52.	1.3	40
20	Mitochondrial oxidative stress plays a critical role in the cardiotoxicity of sunitinib. <i>Toxicology</i> , 2019, 426, 152281.	2.0	40
21	Different Timing of Changes in Mitochondrial Functions following Endurance Training. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 217-224.	0.2	39
22	The catechol-O-methyltransferase inhibitors tolcapone and entacapone uncouple and inhibit the mitochondrial respiratory chain in HepaRG cells. <i>Toxicology in Vitro</i> , 2017, 42, 337-347.	1.1	32
23	Imatinib and Dasatinib Provoke Mitochondrial Dysfunction Leading to Oxidative Stress in C2C12 Myotubes and Human RD Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 1106.	1.6	32
24	Effect of l-carnitine supplementation on the body carnitine pool, skeletal muscle energy metabolism and physical performance in male vegetarians. <i>European Journal of Nutrition</i> , 2016, 55, 207-217.	1.8	31
25	Oxidative stress precedes skeletal muscle mitochondrial dysfunction during experimental aortic cross-clamping but is not associated with early lung, heart, brain, liver, or kidney mitochondrial impairment. <i>Journal of Vascular Surgery</i> , 2014, 60, 1043-1051.e5.	0.6	30
26	Contralateral Leg as a Control During Skeletal Muscle Ischemia-Reperfusion. <i>Journal of Surgical Research</i> , 2009, 155, 65-69.	0.8	29
27	Impact of iron oxide nanoparticles on brain, heart, lung, liver and kidneys mitochondrial respiratory chain complexes activities and coupling. <i>Toxicology in Vitro</i> , 2013, 27, 2142-2148.	1.1	29
28	Pretreatment with brain natriuretic peptide reduces skeletal muscle mitochondrial dysfunction and oxidative stress after ischemia-reperfusion. <i>Journal of Applied Physiology</i> , 2013, 114, 172-179.	1.2	28
29	Age Modulates Fe ₃ O ₄ Nanoparticles Liver Toxicity: Dose-Dependent Decrease in Mitochondrial Respiratory Chain Complexes Activities and Coupling in Middle-Aged as Compared to Young Rats. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	28
30	Hepatic toxicity of dronedarone in mice: Role of mitochondrial $\hat{2}$ -oxidation. <i>Toxicology</i> , 2014, 323, 1-9.	2.0	28
31	Development and Validation of a Highly Sensitive LC-MS/MS Method for the Analysis of Bile Acids in Serum, Plasma, and Liver Tissue Samples. <i>Metabolites</i> , 2020, 10, 282.	1.3	28
32	Effect of eccentric versus concentric exercise training on mitochondrial function. <i>Muscle and Nerve</i> , 2014, 50, 803-811.	1.0	26
33	Pressure overload-induced mild cardiac hypertrophy reduces left ventricular transmural differences in mitochondrial respiratory chain activity and increases oxidative stress. <i>Frontiers in Physiology</i> , 2012, 3, 332.	1.3	25
34	Diabetes Worsens Skeletal Muscle Mitochondrial Function, Oxidative Stress, and Apoptosis After Lower-Limb Ischemia-Reperfusion: Implication of the RISK and SAFE Pathways?. <i>Frontiers in Physiology</i> , 2018, 9, 579.	1.3	25
35	Remote and local ischemic postconditioning further impaired skeletal muscle mitochondrial function after ischemia-reperfusion. <i>Journal of Vascular Surgery</i> , 2012, 56, 774-782.e1.	0.6	24
36	Mechanisms of insulin resistance by simvastatin in C2C12 myotubes and in mouse skeletal muscle. <i>Biochemical Pharmacology</i> , 2019, 164, 23-33.	2.0	24

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37	Hepatocellular toxicity of clopidogrel: Mechanisms and risk factors. <i>Free Radical Biology and Medicine</i> , 2013, 65, 208-216.	1.3	23
38	Methylene Blue Protects Liver Oxidative Capacity after Gut Ischaemiaâ€œReperfusion in the Rat. <i>European Journal of Vascular and Endovascular Surgery</i> , 2013, 45, 168-175.	0.8	23
39	IGF-1 prevents simvastatin-induced myotoxicity in C2C12 myotubes. <i>Archives of Toxicology</i> , 2017, 91, 2223-2234.	1.9	23
40	Sunitinib induces hepatocyte mitochondrial damage and apoptosis in mice. <i>Toxicology</i> , 2018, 409, 13-23.	2.0	21
41	The uricosuric benzbromarone disturbs the mitochondrial redox homeostasis and activates the NRF2 signaling pathway in HepG2 cells. <i>Free Radical Biology and Medicine</i> , 2020, 152, 216-226.	1.3	20
42	Molecular Toxicological Mechanisms of Synthetic Cathinones on C2C12 Myoblasts. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1561.	1.8	18
43	Compartmentalization of Inflammatory Response Following Gut Ischemia Reperfusion. <i>European Journal of Vascular and Endovascular Surgery</i> , 2015, 49, 60-65.	0.8	17
44	PGC-1 β modulates statin-associated myotoxicity in mice. <i>Archives of Toxicology</i> , 2019, 93, 487-504.	1.9	17
45	PGC-1 α plays a pivotal role in simvastatin-induced exercise impairment in mice. <i>Acta Physiologica</i> , 2020, 228, e13402.	1.8	14
46	Local but not Systemic Capillary Lactate is a Reperfusion Biomarker in Experimental Acute Limb Ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012, 43, 339-340.	0.8	12
47	Insulin prevents and reverts simvastatin-induced toxicity in C2C12 skeletal muscle cells. <i>Scientific Reports</i> , 2019, 9, 7409.	1.6	12
48	Effect of carnitine, acetyl-, and propionylcarnitine supplementation on the body carnitine pool, skeletal muscle composition, and physical performance in mice. <i>European Journal of Nutrition</i> , 2014, 53, 1313-1325.	1.8	11
49	Impaired mitochondrial function in HepG2 cells treated with hydroxy-cobalamin[c-lactam]: A cell model for idiosyncratic toxicity. <i>Toxicology</i> , 2015, 336, 48-58.	2.0	11
50	Para-Halogenation of Amphetamine and Methcathinone Increases the Mitochondrial Toxicity in Undifferentiated and Differentiated SH-SY5Y Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2841.	1.8	11
51	Liver Cirrhosis Affects the Pharmacokinetics of the Six Substrates of the Basel Phenotyping Cocktail Differently. <i>Clinical Pharmacokinetics</i> , 2022, 61, 1039-1055.	1.6	11
52	Effect of chronic pre-treatment with angiotensin converting enzyme inhibition on skeletal muscle mitochondrial recovery after ischemia/reperfusion. <i>Fundamental and Clinical Pharmacology</i> , 2010, 24, 333-340.	1.0	10
53	Isoflurane Anesthesia Preserves Liver and Lung Mitochondrial Oxidative Capacity After Gut Ischemiaâ€œReperfusion. <i>Anesthesia and Analgesia</i> , 2011, 113, 1438-1441.	1.1	10
54	Mitochondrial Toxicity Associated with Imatinib and Sorafenib in Isolated Rat Heart Fibers and the Cardiomyoblast H9c2 Cell Line. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2282.	1.8	10

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55	Effect of the Catechol-O-Methyltransferase Inhibitors Tolcapone and Entacapone on Fatty Acid Metabolism in HepaRG Cells. <i>Toxicological Sciences</i> , 2018, 164, 477-488.	1.4	9
56	Lapatinib Activates the Kelch-Like ECH-Associated Protein 1-Nuclear Factor Erythroid 2-Related Factor 2 Pathway in HepG2 Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 944.	1.6	9
57	Contractile function and energy metabolism of skeletal muscle in rats with secondary carnitine deficiency. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E265-E274.	1.8	8
58	Left Ventricular Transmural Gradient in Mitochondrial Respiration Is Associated with Increased Sub-Endocardium Nitric Oxide and Reactive Oxygen Species Productions. <i>Frontiers in Physiology</i> , 2016, 7, 331.	1.3	8
59	Hepatotoxicity Due to Azole Antimycotic Agents in a HLA B*35:02-Positive Patient. <i>Frontiers in Pharmacology</i> , 2019, 10, 645.	1.6	8
60	C2C12 myoblasts are more sensitive to the toxic effects of simvastatin than myotubes and show impaired proliferation and myotube formation. <i>Biochemical Pharmacology</i> , 2021, 190, 114649.	2.0	8
61	mTORC2 is an important target for simvastatin-associated toxicity in C2C12 cells and mouse skeletal muscle – Roles of Rap1 geranylgeranylation and mitochondrial dysfunction. <i>Biochemical Pharmacology</i> , 2021, 192, 114750.	2.0	8
62	Exogenous Iron Increases Fasciocidal Activity and Hepatocellular Toxicity of the Synthetic Endoperoxides OZ78 and MT04. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4880.	1.8	7
63	Hyperthermia Increases Neurotoxicity Associated with Novel Methcathinones. <i>Cells</i> , 2020, 9, 965.	1.8	7
64	Impaired Exercise Performance and Skeletal Muscle Mitochondrial Function in Rats with Secondary Carnitine Deficiency. <i>Frontiers in Physiology</i> , 2016, 7, 345.	1.3	5
65	Apparent Km of mitochondria for oxygen computed from Vmax measured in permeabilized muscle fibers is lower in water enriched in oxygen by electrolysis than injection. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3589.	2.0	4
66	Simvastatin Impairs Glucose Homeostasis in Mice Depending on PGC-1 β Skeletal Muscle Expression. <i>Biomedicines</i> , 2020, 8, 351.	1.4	4
67	Imatinib disturbs lysosomal function and morphology and impairs the activity of mTORC1 in human hepatocyte cell lines. <i>Food and Chemical Toxicology</i> , 2022, 162, 112869.	1.8	4
68	Reactive Metamizole Metabolites Enhance the Toxicity of Hemin on the ATP Pool in HL60 Cells by Inhibition of Glycolysis. <i>Biomedicines</i> , 2020, 8, 212.	1.4	3
69	Hepatic Effects of Pharmacological Doses of Hydroxy-Cobalamin[c-lactam] in Mice. <i>PLoS ONE</i> , 2017, 12, e0171026.	1.1	3
70	Effects of Simvastatin on Lipid Metabolism in Wild-Type Mice and Mice with Muscle PGC-1 β Overexpression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4950.	1.8	2
71	Comparative Effects of Metamizole (Dipyrone) and Naproxen on Renal Function and Prostacyclin Synthesis in Salt-Depleted Healthy Subjects - A Randomized Controlled Parallel Group Study. <i>Frontiers in Pharmacology</i> , 2021, 12, 620635.	1.6	2
72	Implication of Lipids in Calcified Aortic Valve Pathogenesis: Why Did Statins Fail?. <i>Journal of Clinical Medicine</i> , 2022, 11, 3331.	1.0	2

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73	Lapatinib Activates the Kelch-Like ECH-Associated Protein 1-Nuclear Factor Erythroid 2-Related Factor 2 Pathway in HepG2 Cells. , 2020, , .		0