

Cecile Batandier

List of Publications by Year in descending order

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27
papers

1,434
citations

516710

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501196

28
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docs citations

29
times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	The ROS Production Induced by a Reverse-Electron Flux at Respiratory-Chain Complex 1 is Hampered by Metformin. <i>Journal of Bioenergetics and Biomembranes</i> , 2006, 38, 33-42.	2.3	253
2	Metformin Prevents High-Glucose-Induced Endothelial Cell Death Through a Mitochondrial Permeability Transition-Dependent Process. <i>Diabetes</i> , 2005, 54, 2179-2187.	0.6	228
3	Opening of the Mitochondrial Permeability Transition Pore Induces Reactive Oxygen Species Production at the Level of the Respiratory Chain Complex I. <i>Journal of Biological Chemistry</i> , 2004, 279, 17197-17204.	3.4	222
4	Metformin inhibits mitochondrial permeability transition and cell death: a pharmacological in vitro study. <i>Biochemical Journal</i> , 2004, 382, 877-884.	3.7	131
5	Determination of mitochondrial reactive oxygen species: methodological aspects. <i>Journal of Cellular and Molecular Medicine</i> , 2002, 6, 175-187.	3.6	129
6	Cinnamon improves insulin sensitivity and alters the body composition in an animal model of the metabolic syndrome. <i>Archives of Biochemistry and Biophysics</i> , 2010, 501, 158-161.	3.0	59
7	Cinnamon increases liver glycogen in an animal model of insulin resistance. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1590-1597.	3.4	53
8	Unexpected metabolic disorders induced by endocrine disruptors in <i>Xenopus tropicalis</i> provide new lead for understanding amphibian decline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4416-E4425.	7.1	49
9	Fat intake reverses the beneficial effects of low caloric intake on skeletal muscle mitochondrial H ₂ O ₂ production. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1249-1261.	2.9	40
10	Erythropoietin and Its Derivates Modulate Mitochondrial Dysfunction after Diffuse Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 1625-1633.	3.4	32
11	Effect of a high-fat/high-fructose diet, stress and cinnamon on central expression of genes related to immune system, hypothalamic-pituitary-adrenocortical axis function and cerebral plasticity in rats. <i>British Journal of Nutrition</i> , 2014, 111, 1190-1201.	2.3	25
12	New evidence of a mitochondrial genetic background paradox: Impact of the J haplogroup on the A3243G mutation. <i>BMC Medical Genetics</i> , 2008, 9, 41.	2.1	23
13	Mitochondrial NADH redox potential impacts the reactive oxygen species production of reverse Electron transfer through complex I. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 367-377.	2.3	23
14	Maternal exercise modifies body composition and energy substrates handling in male offspring fed a high-fat/high-sucrose diet. <i>Journal of Physiology</i> , 2017, 595, 7049-7062.	2.9	22
15	Prerequisites for ubiquinone analogs to prevent mitochondrial permeability transition-induced cell death. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 207-212.	2.3	20
16	Impact of manganese on primary hippocampal neurons from rodents. <i>Hippocampus</i> , 2014, 24, 598-610.	1.9	17
17	Short-term and long-term effects of submaximal maternal exercise on offspring glucose homeostasis and pancreatic function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E508-E518.	3.5	17
18	Acute stress delays brain mitochondrial permeability transition pore opening. <i>Journal of Neurochemistry</i> , 2014, 131, 314-322.	3.9	15

#	ARTICLE	IF	CITATIONS
19	Choosing the right substrate. Novartis Foundation Symposium, 2007, 280, 108-21; discussion 121-7, 160-4.	1.1	15
20	A relevant exposure to a food matrix contaminated environmentally by polychlorinated biphenyls induces liver and brain disruption in rats. Chemosphere, 2016, 161, 80-88.	8.2	13
21	Concomitant exposure to benzo[a]pyrene and triclosan at environmentally relevant concentrations induces metabolic syndrome with multigenerational consequences in Silurana (Xenopus) tropicalis. Science of the Total Environment, 2019, 689, 149-159.	8.0	11
22	Cinnamon intake alleviates the combined effects of dietary-induced insulin resistance and acute stress on brain mitochondria. Journal of Nutritional Biochemistry, 2016, 28, 183-190.	4.2	9
23	Metyrapone effects on systemic and cerebral energy metabolism. European Journal of Pharmacology, 2012, 682, 92-98.	3.5	8
24	Middle Iron-Enriched Fructose Diet on Gestational Diabetes Risk and on Oxidative Stress in Offspring Rats. Biological Trace Element Research, 2017, 175, 405-413.	3.5	8
25	Maternal exercise before and during gestation modifies liver and muscle mitochondria in rat offspring. Journal of Experimental Biology, 2019, 222, .	1.7	7
26	Stress exposure alters brain mRNA expression of the genes involved in insulin signalling, an effect modified by a high fat/high fructose diet and cinnamon supplement. PLoS ONE, 2018, 13, e0197094.	2.5	2
27	Cellular Energy Metabolism and Integrated Oxidative Phosphorylation. , 0, , 9-27.		1