

# Cecile Batandier

## List of Publications by Year in descending order

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27  
papers

1,434  
citations

516710

16  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concomitant exposure to benzo[a]pyrene and triclosan at environmentally relevant concentrations induces metabolic syndrome with multigenerational consequences in Silurana ( <i>Xenopus</i> ) tropicalis. <i>Science of the Total Environment</i> , 2019, 689, 149-159.	8.0	11
2	Maternal exercise before and during gestation modifies liver and muscle mitochondria in rat offspring. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	7
3	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
4	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. <i>PLoS ONE</i> , 2018, 13, e0197094.	2.5	2
5	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
6	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
7	Middle Iron-Enriched Fructose Diet on Gestational Diabetes Risk and on Oxidative Stress in Offspring Rats. <i>Biological Trace Element Research</i> , 2017, 175, 405-413.	3.5	8
8	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
9	A relevant exposure to a food matrix contaminated environmentally by polychlorinated biphenyls induces liver and brain disruption in rats. <i>Chemosphere</i> , 2016, 161, 80-88.	8.2	13
10	Cinnamon intake alleviates the combined effects of dietary-induced insulin resistance and acute stress on brain mitochondria. <i>Journal of Nutritional Biochemistry</i> , 2016, 28, 183-190.	4.2	9
11	Erythropoietin and Its Derivates Modulate Mitochondrial Dysfunction after Diffuse Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 1625-1633.	3.4	32
12	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
13	Acute stress delays brain mitochondrial permeability transition pore opening. <i>Journal of Neurochemistry</i> , 2014, 131, 314-322.	3.9	15
14	Impact of manganese on primary hippocampal neurons from rodents. <i>Hippocampus</i> , 2014, 24, 598-610.	1.9	17
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	Metyrapone effects on systemic and cerebral energy metabolism. <i>European Journal of Pharmacology</i> , 2012, 682, 92-98.	3.5	8
17	Cinnamon increases liver glycogen in an animal model of insulin resistance. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1590-1597.	3.4	53
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Choosing the right substrate. <i>Novartis Foundation Symposium</i> , 2007, 280, 108-21; discussion 121-7, 160-4.	1.1	15
21	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
22	Fat intake reverses the beneficial effects of low caloric intake on skeletal muscle mitochondrial H <sub>2</sub> O <sub>2</sub> production. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1249-1261.	2.9	40
23	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
24	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
25	Metformin inhibits mitochondrial permeability transition and cell death: a pharmacological in vitro study. <i>Biochemical Journal</i> , 2004, 382, 877-884.	3.7	131
26	Determination of mitochondrial reactive oxygen species: methodological aspects. <i>Journal of Cellular and Molecular Medicine</i> , 2002, 6, 175-187.	3.6	129
27	Cellular Energy Metabolism and Integrated Oxidative Phosphorylation. , 0, , 9-27.		1