Nicolas Pichaud

List of Publications by Year
in descending order

52 papers	2,220 citations	331259 21 h-index	233125 45 g-index
57 all docs	57 docs citations	57 times ranked	3070 citing authors

#	Article	IF	Citations
1	Modulation of the cell membrane lipid milieu by peroxisomal Î²-oxidation induces Rho1 signaling to trigger inflammatory responses. Cell Reports, 2022, 38, 110433.	2.9	11
2	Flexible Thermal Sensitivity of Mitochondrial Oxygen Consumption and Substrate Oxidation in Flying Insect Species. Frontiers in Physiology, 2022, 13, 897174.	1.3	16
3	Mitochondrial matrix-localized Src kinase regulates mitochondrial morphology. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	4
4	Purification of Functional Platelet Mitochondria Using a Discontinuous Percoll Gradient. Methods in Molecular Biology, 2021, 2276, 57-66.	0.4	3
5	Characterization of the interactome of c-Src within the mitochondrial matrix by proximity-dependent biotin identification. Mitochondrion, 2021, 57, 257-269.	1.6	9
6	Dramatic changes in mitochondrial substrate use at critically high temperatures: a comparative study using Drosophila. Journal of Experimental Biology, 2021, 224, .	0.8	25
7	Mitochondrial physiology and responses to elevated hydrogen sulphide in two isogenic lineages of an amphibious mangrove fish. Journal of Experimental Biology, 2021, 224, .	0.8	5
8	Systemic and mitochondrial effects of metabolic inflexibility induced by high fat diet in Drosophila melanogaster. Insect Biochemistry and Molecular Biology, 2021, 133, 103556.	1.2	14
9	Mitochondrial responses towards intermittent heat shocks in the eastern oyster, Crassostrea virginica. Journal of Experimental Biology, 2021, 224, .	0.8	3
10	5-Benzylidene, 5-benzyl, and 3-benzylthiazolidine-2,4-diones as potential inhibitors of the mitochondrial pyruvate carrier: Effects on mitochondrial functions and survival in Drosophila melanogaster. European Journal of Pharmacology, 2021, 913, 174627.	1.7	7
11	Rapid isolation and purification of functional platelet mitochondria using a discontinuous Percoll gradient. Platelets, 2020, 31, 258-264.	1.1	10
12	Role of the Mitochondrial Pyruvate Carrier in the Occurrence of Metabolic Inflexibility in Drosophila melanogaster Exposed to Dietary Sucrose. Metabolites, 2020, 10, 411.	1.3	7
13	Adjustments of cardiac mitochondrial phenotype in a warmer thermal habitat is associated with oxidative stress in European perch, Perca fluviatilis. Scientific Reports, 2020, 10, 17697.	1.6	11
14	Metabolic Characterization and Consequences of Mitochondrial Pyruvate Carrier Deficiency in Drosophila melanogaster. Metabolites, 2020, 10, 363.	1.3	10
15	Multi-omics Reveal that c-Src Modulates the Mitochondrial Phosphotyrosine Proteome and Metabolism According to Nutrient Availability. Cellular Physiology and Biochemistry, 2020, 54, 517-537.	1.1	9
16	Dynamic mitochondrial responses to a high-fat diet in Drosophila melanogaster. Scientific Reports, 2019, 9, 4531.	1.6	25
17	Age Dependent Dysfunction of Mitochondrial and ROS Metabolism Induced by Mitonuclear Mismatch. Frontiers in Genetics, 2019, 10, 130.	1.1	41
18	Cardiac mitochondrial plasticity and thermal sensitivity in a fish inhabiting an artificially heated ecosystem. Scientific Reports, 2019, 9, 17832.	1.6	28

#	Article	IF	Citations
19	Identification of Peracetylated Quercetin as a Selective 12-Lipoxygenase Pathway Inhibitor in Human Platelets. Molecular Pharmacology, 2019, 95, 139-150.	1.0	11
20	Isolation and Purification of Functional Platelet Mitochondria Using Discontinuous Percoll Gradient. FASEB Journal, 2019, 33, 610.20.	0.2	0
21	â€œAlternativeâ€•fuels contributing to mitochondrial electron transport: Importance of non-classical pathways in the diversity of animal metabolism. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 224, 185-194.	0.7	44
22	Omega-3 Monoacylglyceride Effects on Longevity, Mitochondrial Metabolism and Oxidative Stress: Insights from Drosophila melanogaster. Marine Drugs, 2018, 16, 453.	2.2	12
23	Measurement of Mitochondrial Oxygen Consumption in Permeabilized Fibers of Drosophila Using Minimal Amounts of Tissue. Journal of Visualized Experiments, 2018, , .	0.2	19
24	Identification of proteins interacting with the mitochondrial small heat shock protein Hsp22 of Drosophila melanogaster: Implication in mitochondrial homeostasis. PLoS ONE, 2018, 13, e0193771.	1.1	11
25	A quercetin derivative as a selective inhibitor of 12â€lipoxygenase activity in human platelets. FASEB Journal, 2018, 32, 671.3.	0.2	0
26	Thermal sensitivity and phenotypic plasticity of cardiac mitochondrial metabolism in European perch, Perca fluviatilis. Journal of Experimental Biology, 2017, 220, 386-396.	0.8	52
27	Dynamic changes in cardiac mitochondrial metabolism during warm acclimation in rainbow trout. Journal of Experimental Biology, 2017, 220, 1674-1683.	0.8	18
28	Increased mitochondrial coupling and anaerobic capacity minimizes aerobic costs of trout in the sea. Scientific Reports, 2017, 7, 45778.	1.6	22
29	Evolved genetic and phenotypic differences due to mitochondrial-nuclear interactions. PLoS Genetics, 2017, 13, e1006517.	1.5	81
30	Gene by environmental interactions affecting oxidative phosphorylation and thermal sensitivity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R157-R165.	0.9	30
31	Dynamic changes in scope for heart rate and cardiac autonomic control during warm acclimation in rainbow trout. Journal of Experimental Biology, 2016, 219, 1106-9.	0.8	36
32	Epigallocatechin-3-gallate induces oxidative phosphorylation by activating cytochrome c oxidase in human cultured neurons and astrocytes. Oncotarget, 2016, 7, 7426-7440.	0.8	32
33	Increased gastrointestinal blood flow: An essential circulatory modification for euryhaline rainbow trout (Oncorhynchus mykiss) migrating to sea. Scientific Reports, 2015, 5, 10430.	1.6	22
34	The Influence of Macronutrients on Splanchnic and Hepatic Lymphocytes in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1499-1507.	1.7	30
35	Mitochondrial <scp>DNA</scp>: more than an evolutionary bystander. Functional Ecology, 2014, 28, 218-231.	1.7	111
36	The Ratio of Macronutrients, Not Caloric Intake, Dictates Cardiometabolic Health, Aging, and Longevity in Ad Libitum-Fed Mice. Cell Metabolism, 2014, 19, 418-430.	7.2	768

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37	Holding our breath in our modern world: will mitochondria keep the pace with climate changes?. Canadian Journal of Zoology, 2014, 92, 591-601.	0.4	64
38	Superoxide dismutase deficiency impairs olfactory sexual signaling and alters bioenergetic function in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8119-8124.	3.3	17
39	Physiological adaptations to reproduction II. Mitochondrial adjustments in livers of lactating mice. Journal of Experimental Biology, 2013, 216, 2889-95.	0.8	16
40	Mitochondrial haplotype divergences affect specific temperature sensitivity of mitochondrial respiration. Journal of Bioenergetics and Biomembranes, 2013, 45, 25-35.	1.0	39
41	Diet influences the intake target and mitochondrial functions of Drosophila melanogaster males. Mitochondrion, 2013, 13, 817-822.	1.6	42
42	Low hydrogen peroxide production in mitochondria of the longâ€lived <scp>A</scp>rctica islandica: underlying mechanisms for slow aging. Aging Cell, 2013, 12, 584-592.	3.0	48
43	Physiological adaptations to reproduction I. Experimentally increasing litter size enhances aspects of antioxidant defence but does not cause oxidative damage in mice. Journal of Experimental Biology, 2013, 216, 2879-88.	0.8	47
44	Review: Quantifying Mitochondrial Dysfunction in Complex Diseases of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 1022-1035.	1.7	111
45	In situ quantification of mitochondrial respiration in permeabilized fibers of a marine invertebrate with low aerobic capacity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 429-435.	0.8	7
46	NATURALLY OCCURRING MITOCHONDRIAL DNA HAPLOTYPES EXHIBIT METABOLIC DIFFERENCES: INSIGHT INTO FUNCTIONAL PROPERTIES OF MITOCHONDRIA. Evolution; International Journal of Organic Evolution, 2012, 66, 3189-3197.	1.1	79
47	Functional conservatism among Drosophila simulans flies experiencing different thermal regimes and mitochondrial DNA introgression. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2011, 316B, 188-198.	0.6	5
48	Thermal sensitivity of mitochondrial functions in permeabilized muscle fibers from two populations of Drosophila simulans with divergent mitotypes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R48-R59.	0.9	59
49	Thermal sensitivity of mitochondrial metabolism in two distinct mitotypes ofDrosophila simulans: evaluation of mitochondrial plasticity. Journal of Experimental Biology, 2010, 213, 1665-1675.	0.8	71
50	Inhibition of goldfish mitochondrial metabolism by in vitro exposure to Cd, Cu and Ni. Aquatic Toxicology, 2010, 98, 107-112.	1.9	47
51	Metabolic Capacities and Immunocompetence of Sea Scallops (Placopecten magellanicus,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	6
52	Oxidative stress and immunologic responses following a dietary exposure to PAHs in Mya arenaria. Chemistry Central Journal, 2008, 2, 23.	2.6	23