Alessandra Baracca

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2629115/publications.pdf

Version: 2024-02-01

47	4,101	218677	214800
papers	citations	26 h-index	47 g-index

47	47	47	6778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td	9.1	1,430
2	Hypoxia and mitochondrial oxidative metabolism. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1171-1177.	1.0	474
3	Defective Oxidative Phosphorylation in Thyroid Oncocytic Carcinoma Is Associated with Pathogenic Mitochondrial DNA Mutations Affecting Complexes I and III. Cancer Research, 2006, 66, 6087-6096.	0.9	204
4	Oxidative phosphorylation in cancer cells. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 534-542.	1.0	183
5	Severe Impairment of Complex Iâ€“Driven Adenosine Triphosphate Synthesis in Leber Hereditary Optic Neuropathy Cybrids. Archives of Neurology, 2005, 62, 730.	4.5	144
6	Mitochondrial Complex I decrease is responsible for bioenergetic dysfunction in K-ras transformed cells. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 314-323.	1.0	119
7	Mitochondrial respiratory chain super-complex Iâ€“III in physiology and pathology. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 633-640.	1.0	107
8	Evaluating Mitochondrial Membrane Potential in Cells. Bioscience Reports, 2007, 27, 11-21.	2.4	103
9	Catalytic Activities of Mitochondrial ATP Synthase in Patients with Mitochondrial DNA T8993G Mutation in the ATPase 6 Gene Encoding Subunit a. Journal of Biological Chemistry, 2000, 275, 4177-4182.	3.4	100
10	Inefficient coupling between proton transport and ATP synthesis may be the pathogenic mechanism for NARP and Leigh syndrome resulting from the T8993G mutation in mtDNA. Biochemical Journal, 2006, 395, 493-500.	3.7	97
11	New Insights Into Structure and Function of Mitochondria and Their Role in Aging and Disease. Antioxidants and Redox Signaling, 2006, 8, 417-437.	5.4	91
12	A novel deletion in the GTPase domain of OPA1 causes defects in mitochondrial morphology and distribution, but not in function. Human Molecular Genetics, 2008, 17, 3291-3302.	2.9	91
13	Biochemical phenotypes associated with the mitochondrial ATP6 gene mutations at nt8993. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 913-919.	1.0	90
14	Severe ultrastructural mitochondrial changes in lymphoblasts homozygous for Huntington disease mutation. Mechanisms of Ageing and Development, 2006, 127, 217-220.	4.6	85
15	Mitochondria hyperfusion and elevated autophagic activity are key mechanisms for cellular bioenergetic preservation in centenarians. Aging, 2014, 6, 296-310.	3.1	70
16	Biochemical-Clinical Correlation in Patients With Different Loads of the Mitochondrial DNA T8993G Mutation. Archives of Neurology, 2002, 59, 264.	4.5	69
17	Hypoxia inducible factor-1 alpha as a therapeutic target in multiple myeloma. Oncotarget, 2014, 5, 1779-1792.	1.8	53
18	Desmin Phosphorylation Triggers Preamyloid Oligomers Formation and Myocyte Dysfunction in Acquired Heart Failure. Circulation Research, 2018, 122, e75-e83.	4.5	46

#	Article	IF	Citations
19	The effect of aging and an oxidative stress on peroxide levels and the mitochondrial membrane potential in isolated rat hepatocytes. FEBS Letters, 1999, 449, 53-56.	2.8	41
20	Human NARP Mitochondrial Mutation Metabolism Corrected With Î±-Ketoglutarate/Aspartate. Archives of Neurology, 2009, 66, 951-7.	4.5	37
21	The Inhibitor Protein (IF1) of the F1F0-ATPase Modulates Human Osteosarcoma Cell Bioenergetics. Journal of Biological Chemistry, 2015, 290, 6338-6348.	3.4	37
22	Mitochondrial activities of rat heart during ageing. Mechanisms of Ageing and Development, 1994, 76, 73-88.	4.6	36
23	Hypoxia and IF1 Expression Promote ROS Decrease in Cancer Cells. Cells, 2018, 7, 64.	4.1	36
24	Lack of major changes in ATPase activity in mitochondria from liver, heart, and skeletal muscle of rats upon ageing. Mechanisms of Ageing and Development, 1995, 84, 139-150.	4.6	30
25	Reversal of the glycolytic phenotype of primary effusion lymphoma cells by combined targeting of cellular metabolism and PI3K/Akt/ mTOR signaling. Oncotarget, 2016, 7, 5521-5537.	1.8	30
26	Mitochondrial Quinone Reductases: Complex I. Methods in Enzymology, 2004, 382, 3-20.	1.0	27
27	The ATP Synthase Deficiency in Human Diseases. Life, 2021, 11, 325.	2.4	27
28	Effect of the oxidative stress induced by adriamycin on rat hepatocyte bioenergetics during ageing. Mechanisms of Ageing and Development, 2000, 113, 1-21.	4.6	24
29	The study of the pathogenic mechanism of mitochondrial diseases provides information on basic bioenergetics. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 941-945.	1.0	22
30	Involvement of stat3 in mouse brain development and sexual dimorphism: A proteomics approach. Brain Research, 2010, 1362, 1-12.	2.2	21
31	Glucose plays a main role in human fibroblasts adaptation to hypoxia. International Journal of Biochemistry and Cell Biology, 2013, 45, 1356-1365.	2.8	21
32	Mitochondrial quality control: Cell-type-dependent responses to pathological mutant mitochondrial DNA. Autophagy, 2016, 12, 2098-2112.	9.1	21
33	Tryptophan phosphorescence as a structural probe of mitochondrial F1-ATPase epsilon-subunit. FEBS Journal, 1993, 214, 729-734.	0.2	16
34	Cytochrome b of fish mitochondria is strongly resistant to funiculosin, a powerful inhibitor of respiration. Archives of Biochemistry and Biophysics, 1992, 295, 198-204.	3.0	15
35	Long-Term Oral Administration of Theaphenon-E Improves Cardiomyocyte Mechanics and Calcium Dynamics by Affecting Phospholamban Phosphorylation and ATP Production. Cellular Physiology and Biochemistry, 2018, 47, 1230-1243.	1.6	12
36	Mitochondrial Complex I: structure, function, and implications in neurodegeneration. Italian Journal of Biochemistry, 2006, 55, 232-53.	0.3	12

#	Article	IF	Citations
37	Temperature-dependent conformational changes in isolated oligomycin-sensitive ATPase. FEBS Letters, 1983, 155, 131-134.	2.8	10
38	The F1Fo-ATPase inhibitor, IF1, is a critical regulator of energy metabolism in cancer cells. Biochemical Society Transactions, 2021, 49, 815-827.	3.4	10
39	Conformational Changes of the Mitochondrial F1-ATPase âˆŠ-Subunit Induced by Nucleotide Binding as Observed by Phosphorescence Spectroscopy. Journal of Biological Chemistry, 1995, 270, 21845-21851.	3.4	9
40	Resveratrol preserves mitochondrial function in a human post-mitotic cell model. Journal of Nutritional Biochemistry, 2018, 62, 9-17.	4.2	9
41	The ATPase Inhibitory Factor 1 (IF1) regulates the expression of the mitochondrial Ca2+ uniporter (MCU) via the AMPK/CREB pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118860.	4.1	9
42	Protonophoric Activity of NADH Coenzyme Q Reductase and ATP Synthase in Coupled Submitochondrial Particles from Horse Platelets. Biochemical and Biophysical Research Communications, 1997, 235, 469-473.	2.1	8
43	Mitochondrial Mass Assessment in a Selected Cell Line under Different Metabolic Conditions. Cells, 2019, 8, 1454.	4.1	8
44	Effect of dietary oils containing graded amounts of 18:3 n-6 and 18:4 n-3 on cell plasma membranes. Journal of Nutritional Biochemistry, 1995, 6, 21-26.	4.2	6
45	Effects of Standardized Green Tea Extract and Its Main Component, EGCG, on Mitochondrial Function and Contractile Performance of Healthy Rat Cardiomyocytes. Nutrients, 2020, 12, 2949.	4.1	6
46	Mitochondrial respiration in rats during hypothermia resulting from central drug administration. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2022, 192, 349.	1.5	3
47	Effect of 2-hydroxy-5-nitrobenzyl bromide on proton translocation by the mitochondrial H+-ATPase. Biochemical and Biophysical Research Communications, 1988, 155, 130-137.	2.1	2